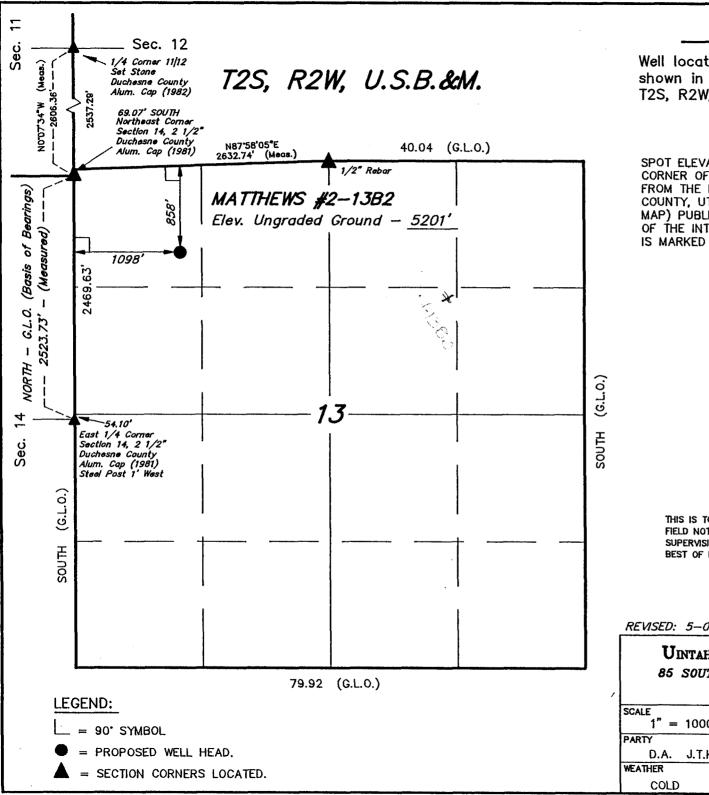
STATE OF UTAH DIVISION OF OIL, GAS AND MINI

MINING	D) [5] MENTING		No constant
--------	-------------------	--	-------------

			*	APR 13	1000	5. Lease Designation and Serial No.
						Fee Lease
APPLICATION	FOR PERM	IT TO DRI	LL, DEEP	EN, OR PLU	G BACK	6. If Indian, Allottee or Tribe Name
ia. Type of Work				DIAIDION	J. 17	N/A
DRILL	\boxtimes	DEEPE	4 🛮	OIL GAS 18.46	PRACE -	7. Unit Agreement Name
b. Type of Well Oil Gas Well Wall				Single 🔯	Multiple	N/A S. Farm or Lease Name
Well Well Well Name of Operator	Oth.	er		Single X Zone	Zone	
ANR Production	Company					Matthews 9. Well No.
. Address of Operator	Сопрану					•
P. O. Box 749	Don	CO C	20201 07/	10 (202) 5		2-13B2 10. Field and Pool, or Wildcat
Location of Well (Report		ver, co 8	30201-074	49 (303) 5	73-4476	- A =
	'NL & 100 0'			o requiremental /		Altamont/Bluebell (U)
8581	1098,		,			and Survey or Area
At proposed prod. zone	Same as a	bove.	A v o	Augdus F	-13-90	NW/NW Section 13, T2S-R2W
14. Distance in miles and di	irection from near	est town or post	office*	amony J	12:19	12. County or Parrish 13. State
4 miles northw	est of Roo	sevelt, Ut	ah.	•		Duchesne Cnty Utah
15. Distance from proposed location to nearest		 	16. N	No. of acres in lease		of acres assigned
property or lease line, f (Also to nearest drig, lin	t.	300 '		80	to th	is well 640 (2 wells per section
ls. Distance from proposed	location*		19. P	roposed depth	20. Rotai	ry or cable tools
to nearest well, drilling, or applied for, on this le	completed, ase, ft.	3100'	\	12,400', 5		Rotary
1. Elevations (Show whethe	r DF, RT, GR, etc.)		/	<u> </u>	22. Approx. date work will start*
	**	5242' GR				5/15/92
23.		PROPOSET	CASING AN	D CEMENTING PRO	CPAM	3, 23, 32
Sing of Wile	<u> </u>		·			
Size of Hole 17-1/2"	Size of Casing		t per Foot	Setting Depth		Quantity of Cement
12-1/4"	13-3/8"		nductor	0-200'		232200
8-3/4"	9-5/8" 7"	J-55	36#	0-3000) sx circ to surface.
6-1/8"		N-80 S-95 Lnr	26# 18#	0-9925 9 7 25-1240		<u>) sx Class "G" Silica Li</u> te cm) sx Class "G"
•				ing Prognosi		TECHNICAL REVIEW Engr. 5/28/97 Geol. 5/27/92 Surface 5/21/97 went productive zone and proposed new pro-
oreventer program, il any. 4. I hereby captify that Signed	to drill or despen	directionally, giv	e pertinent das	ta on subsurface locat	ions and measu	Date 4/9/92
(This space for Federal o	-013 - 2	1357	₩ [₩] 41 ₩ 21 04 1 ₩ 2000,	Approval Date	e	PROVED BY THE STATE F UTAH DIVISION OF
Approved by		***************************************	Title		**************	IL, GAS, AND MINING
Conditions of approval, in	f any:				DATE	2-4-14
					PV.	YEN INTITULA

*See Instructions On Reverse Side

(3/89)

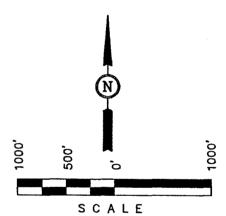


ANR PRODUCTION CO.

Well location, MATTHEWS #2-13B2, located as shown in the NW 1/4 NW 1/4 of Section 13. T2S, R2W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION AT THE NE CORNER OF SECTION 13, T2S, R2W, U.S.B.&M, TAKEN FROM THE HANCOCK COVE QUADRANGLE, DUCHESNE COUNTY, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5184 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT. BEST OF MY KNOWLEDGE AND BELLEF

> REGISTERED LAND SURVEYOR REGISTRATION NO. 5709

REVISED: 5-07-92 T.D.H.

UINTAH ENGINEERING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

SCALE 1" = 1000'	DATE 2-21-92	DATE SURVEYED 2-20-92
PARTY	REFERENCES	···
D.A. J.T.K. MDA	G.L.O. PLAT	
WEATHER	FILE	· · · · · · · · · · · · · · · · · · ·
COLD	ANR PRODUC	TION CO.

Coastal The Frecay People

RECEIVED APR 2 0 1992

April 16, 1992

Clark, J. W. c/o Linmar Petroleum Company 7979 E. Tufts Avenue Parkway, Suite 604 Denver, Colorado 80237

Re: Spacing Exception

Matthews #2-13B2

NW/NW Section 13, T2S-R2W Duchesne County, Utah

Gentlemen:

ANR Production Company proposes to drill the Matthews #2-13B2 well at 300' FNL and 1000' FWL, Section 13, T2S-R2W. Per Utah Board of Oil, Gas & Mining general rules, it is necessary to request a spacing exception and secure your written consent approving this proposed location.

The preferred location of this proposed well was 1400' FWL and 660' FNL, however, due to surface obstruction, structures and topography, it was necessary to move the location.

Please approve this spacing exception by signing in the space provided below and returning immediately, as we plan to drill this well the end of May, 1992.

Thank you for your prompt attention to this matter. Please contact me at (303) 573-4476, should you have any questions.

Sincerely,

Sincerely,

Sincerely,

Sincerely,

Sincerely,

Sincerely,

Eileen Danni Dey

Regulatory Analyst

EDD:tmr

Enclosure

cc: R. L. Bartley/T. C. Young/R. Cox/File

R. D. Liebling/J. R. Nelsen

Agreed	to	this	 day	of	April,	1992.
By:						
Title:			 			

≃orm 9

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Go not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT—for such proposals N/A Signature of Operator ANR Production Company 10. API Well Number LAddress of Operator P. O. Box 749 Denver, CO 80201-0749 Location of Well Footage 300 FNL & 1000 FWL	Agreement
ANR Production Company 1. Address of Operator P. O. Box 749 Denver, CO 80201-0749 4. Telephone Number (303) 573-4476 Altamont/Bluebe	32
ANR Production Company T. Address of Operator P. O. Box 749 Denver, CO 80201-0749 4. Telephone Number (303) 573-4476 11. Field and Poot, or Wilder Altamont/Bluebe	
P. O. Box 749 Denver, CO 80201-0749 4. Telephone Number (303) 573-4476 Altamont/Bluebe	<u>.</u>
County: Duchesne State: UTAH NOTICE OF INTENT COUNTY: Duchesne State: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE: REPORT, OR OTHER DATA OTHER DATA COUNTY: Duchesne State: UTAH NOTICE OF INTENT	
(Submit in Duplicate) SUBSECUENT REPORT	A
Abandonment New Construction Abandonment New Construction Abandonment New Construction Abandonment New Construction Casing Repair Pull or Alter Casing Change of Plans Shoot or Acidize Conversion to Injection Vent or Flare Fracture Treat Water Shut-Off Other Other	sing B
Approximate Date Work Will Start Date of Work Completion	
Report results of Multiple Completions and Recompletions to diffe on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a camera varification and accompanied by a camera varification accompanied	
ANR Production Company hereby requests administrative approval for a Spacing Excepti Docket #85-007, Order #139-42 (effective 4/17/85), for the above referenced proposed The preferred location of this proposed well was 1400' FWL & 660' FNL, however, due following surface obstructions, structures and topography, it was necessary to move to 300' FNL & 1000' FWL, Section 13, T2S-R2W: - Surface owner's existing structures and proposed structures, including an und irrigation system. - The proposed access would have crossed an existing canal. - The topography consists of low laying swamp land with a high water table. Written consent from owners of directly or diagonally offsetting drilling units is at this application.	ion to i location. to the the location

Title Regulatory Analyst Oate

4/16/92

Name & Signature

(State Use Only)

PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

April 27, 1992 D.R. Lankford

Eileen Danni Dey Regulatory Analyst ANR Production Company 600 17th St. Ste. 800 S P.O. Box 749 Denver, CO. 80202 FRECISION EN 1992

DIVISION OF OIL GAS & MINING

SUBJECT: Matthews 2-13B2 Spacing Exception

Dear Ms. Dey:

Your letter to Joint Interest Operations of April 16, 1992, requested Pennzoil's approval for a spacing exception for the subject well. The letter stated the preferred location to be 1400'FWL and 660'FNL and the alternate exception location to be 300'FNL and 1000'FWL in Sec. 13, T2S, R2W, Duchesne County, Utah.

As working interest owner in both Section 13, T2S, R2W and Section 12, T2S, R2W, Pennzoil chooses not to approve the spacing exception for the proposed Matthews 2-13B2.

Based on a surface inspection, Pennzoil suggests an alternate location more near to the preferred location. Pennzoil's recommendation would be approximately 400 ft. west of the preferred location at 1000'FWL and 700'FNL.

Sincerely,

DR Carefund

Drilling Engineer

copies: Brad Hill; Utah DOGM

George SanFilippo; Pennzoil Western Division Manager

PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

April 27,1992 D.R Lankford

Brad Hill Utah Division Oil, Gas, and Mining 3 Triad Center Ste. 350 355 W. North Temple Salt Lake City, Utah 84180-1203

PEGBIVED)

DIVISION OF OIL GAS & MINING

SUBJECT: Proposed Matthews 2-13B2 Spacing Exception

Dear Brad:

Please review the attached correspondence between Pennzoil and ANR concerning the spacing exception proposed by ANR.

Pennzoil wants you to be informed of our position.

Sincerely,

D.R. Lankford

DR Landland





RECEIVED

APR 20 1992

Western Division

Danny to FAX this to
April 16, 1992 you. He would like for you to
apany take a look at ANR's location

and confirm this -:

Thanks, Peters

Pennzoil Exploration & Production Company P. O. Box 2967

Houston, Texas 77252

Attention: Joint Interest Operations

Re: Spacing Exception

Matthews #2-13B2

NW/NW Section 13, T2S-R2W Duchesne County, Utah

Gentlemen:

ANR Production Company proposes to drill the Matthews #2-13B2 well at 300' FNL and 1000' FWL, Section 13, T2S-R2W. Per Utah Board of Oil, Gas & Mining general rules, it is necessary to request a spacing exception and secure your written consent approving this proposed location.

The preferred location of this proposed well was 1400' FWL and 660' FNL however, due to surface obstruction, structures and topography, it was necessary to move the location.

Please approve this spacing exception by signing in the space provided below and returning immediately, as we plan to drill this well the end of May, 1992.

Thank you for your prompt attention to this matter. Please contact me at (303) 573-4476, should you have any questions.

Sincerely.

Eileen Danni Dev Regulatory Analyst

EDD:tmr

Enclosure

cc: R. L. Bartley/T. C. Young/R. Cox/File R. D. Liebling/J. R. Nelsen

Agreed to this _____ day of April, 1992.

By: Title:

anni Ney

ANR Production Company

A SUBSIDIARY OF THE COASTAL CORPORATION 600 17TH ST - STE 800 S - P O BOX 748 - DENVER CO 5000: 0749 - 303 572-1121

inth al al one a

PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

April 27, 1992 D.R. Lankford

Eileen Danni Dey
Regulatory Analyst
ANR Production Company
600 17th St. Ste. 800 S
P.O. Box 749
Denver, CO. 80202

SUBJECT: Matthews 2-13B2 Spacing Exception

Dear Ms. Dey:

Your letter to Joint Interest Operations of April 16, 1992, requested Pennzoil's approval for a spacing exception for the subject well. The letter stated the preferred location to be 1400'FWL and 660'FNL and the alternate exception location to be 300'FNL and 1000'FWL in Sec. 13, T2S, R2W, Duchesne County, Utah.

As working interest owner in both Section 13, T2S, R2W and Section 12, T2S, R2W, Pennzoil chooses not to approve the spacing exception for the proposed Matthews 2-13B2.

Based on a surface inspection, Pennzoil suggests an alternate location more near to the preferred location. Pennzoil's recommendation would be approximately 400 ft. west of the preferred location at 1000'FWL and 700'FNL.

Sincerely,

DR Carefund

Drilling Engineer

copies: Brad Hill; Utah DOGM

George SanFilippo; Pennzoil Western Division Manager

JOHN W. CLARK
7979 EAST TUFTS AVENUE PARKWAY
SUITE 604
DENVER, COLORADO 80237
TEL: (303) 773-8003

ANR PRODUCTION COMPANY
600 - 17th Street
Suite 800 S
P. O. Box 749
Denver, Colorado 80201-0749

Attn: Eileen Danni Dey

Regulatory Analyst

Re:

Spacing Exception Matthews #2-13B2

NW/NW Section 13, T2S-R2W Duchesne County, Utah

Gentlemen:

Please reference your letter of April 16, 1992 concerning my consenting to the requested spacing exception for the drilling of the Matthews #2-13B2. The spacing rules for the Bluebell field were set in order to protect the correlative rights of the offsetting working and royalty owners. These rules were proposed by your company and liberally allow for the movement of the locations. It would seem that my rights would better be served if ANR moved this location closer to the existing well in the section or to an approved location. As such, I formally oppose the drilling of this well at this location.

If you have any further questions, please feel free to contact me at (303) 773-8003.

Yours yery truly

John W. Clark

JWC:1r

cc: State of Utah
Oil & Gas Commission

MAY 0 1 1992

DIVISION OF OIL GAS & MINING

DERATOR ANR BOXLUCTURE CO 4-0675. DATE 5-07.40
WELL NAME MOTTING 0-13BD
SEC JULIU 13 T 05 R DW COUNTY Dischish
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
13-013-31357 tu (1) API NUMBER TYPE OF LEASE
CHECK OFF:
PLAT. BOND JU05 3801 NEAREST WELL
LEASE JSBM POTASH OR OTL SHALE
PROCESSING COMMENTS: One additional well within bee 13.
water Primit 43-101-48 Dallo Aucking
Pusite 4.90 (Geology Julien 5-07-90)
Confishing tw approval; Obtain and analyze samples of
from hearing flowing water wells
APPROVAL LETTER:
SPACING: R615-2-3 NA RS15-3-2
139-40 1-10-85 R615-3-3
STIPULATIONS: 1 Oblain and have analyzed water samples
for basic Chemical parameters from near hy
flouing water wells.
(2) Pit is to be lined w/ signthetic lines of 12 ml
minimum thicknes The pad is to be besoned
to prevent any un off from the location;
(4) Bonding Stipulation.

N

WELLHEAD PUMPJACK

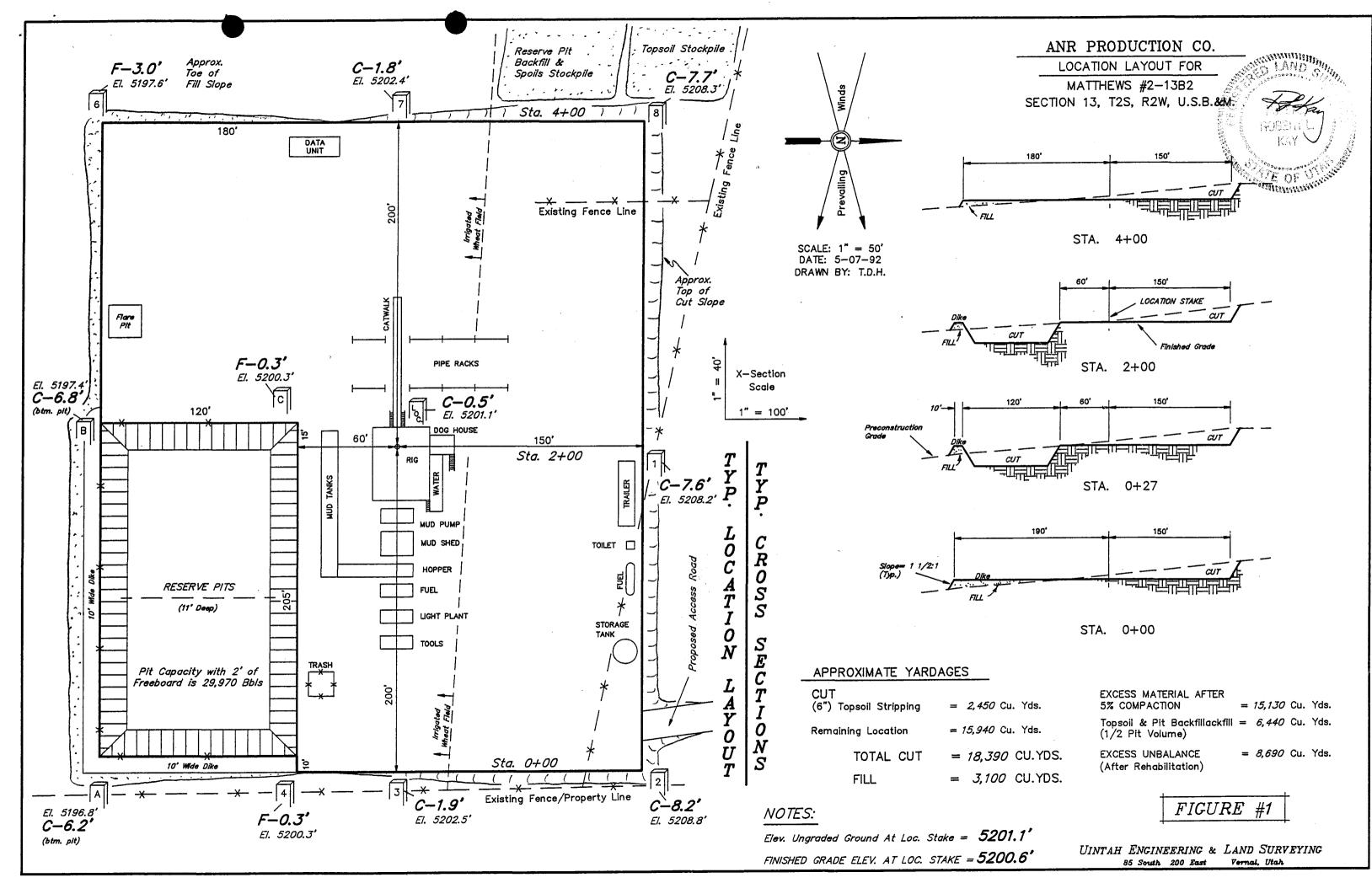
LOCATION PLAT

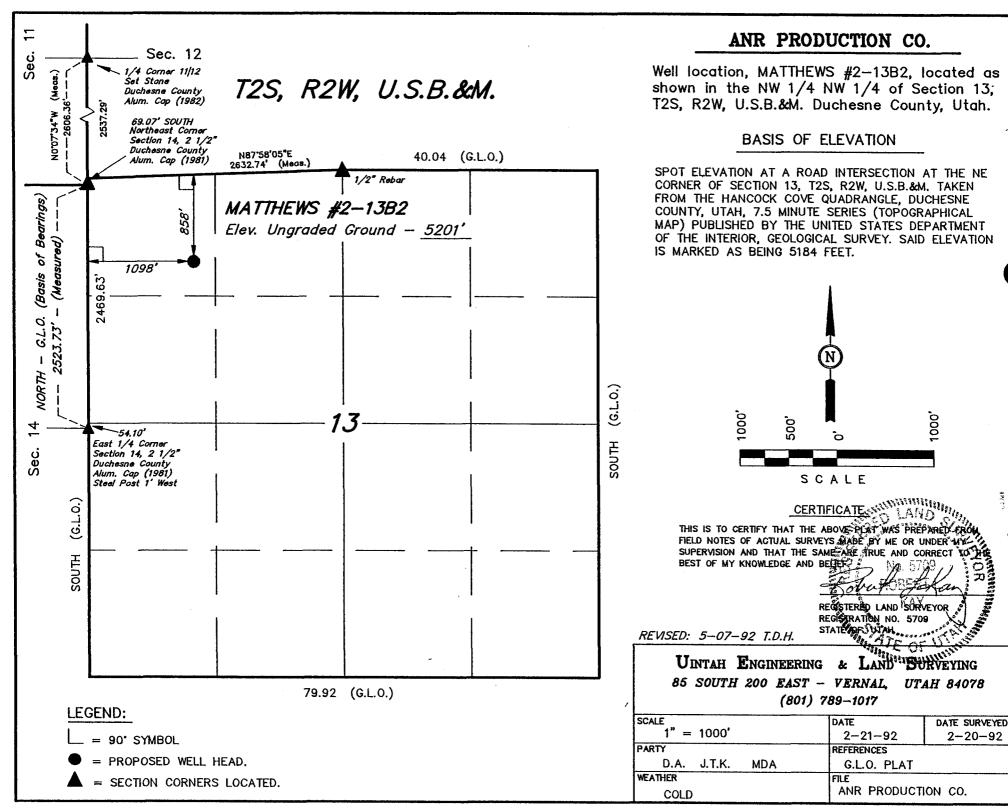
MATHEWS 2-13B2 SEC.13 T.2S R2W DUCHESNE COUNTY, UTAH API NO. 4301331357 ACCESS ROAD

E OF UTAH DEPARTMENT OF NATURAL RESOURCES

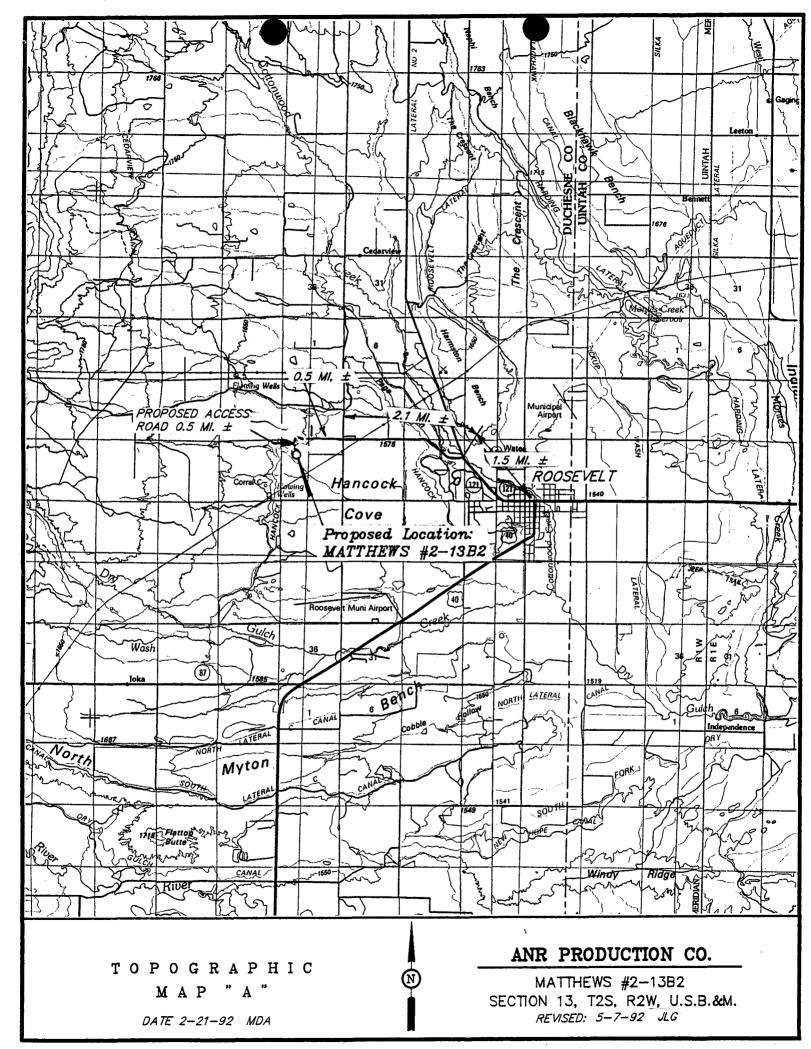
DIVISION OF OIL. GAS AND MINI	NG	Fee Lease 7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drift new wells, deepen existing wells, or to re Use APPLICATION FOR PERMIT—for such prop	enter nivered and about the	N/A 8. Unit or Communitization Agreement
Type of Well Gas Other (specify)	······································	N/A 9. Well Name and Number
Well Gas Other (specify) Name of Operator		Matthews #2-13B2
ANR Production Company		10. API Well Number
Address of Operator	1.4 2.1	
P. O. Box 749 Denver, CO 80201-0749	(303) 573-4476	11. Field and Pool, or Wildest Altamont/Bluebell
Footage : 300' FNL & 1000' FWL QQ. Sec. T. R. M. : NW/NW Section 13, T2S-R2W	County	: Duchesne
CHECK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPO	RT, OR OTHER DATA
(Submit in Duplicate)	SUBSE	QUENT REPORT Original Form Only)
Abandonment New Construction	Abandonment * Casing Repair Change of Plans Conversion to Injection Fracture Treat Other	New Construction Pull or Alter Casing Shoot or Acidize Vent or Flare Water Shut-Off
Approximate Date Work Will Start 6/1/92	Date of Work Completion	
	Report results of Multiple Complete on WELL COMPLETION OR RECO Must be accompanied by a come	ons and Recompletions to different reserve MPLETION AND LOG form.
ANR Production Company requests permission proposed well to 858' FNL & 1098' FWL, NW/NO	to change the leasting	
Please refer to the attached plats.		GETTED
TECHNICAL REVIEW Engr	€ ®	MAY 1 8 1992
Geol. Surface Surface .	Oll	DIVISION OF L GAS & MINING
ne & Signature	Time Regulate	ory Analyst Oate 5/13/9

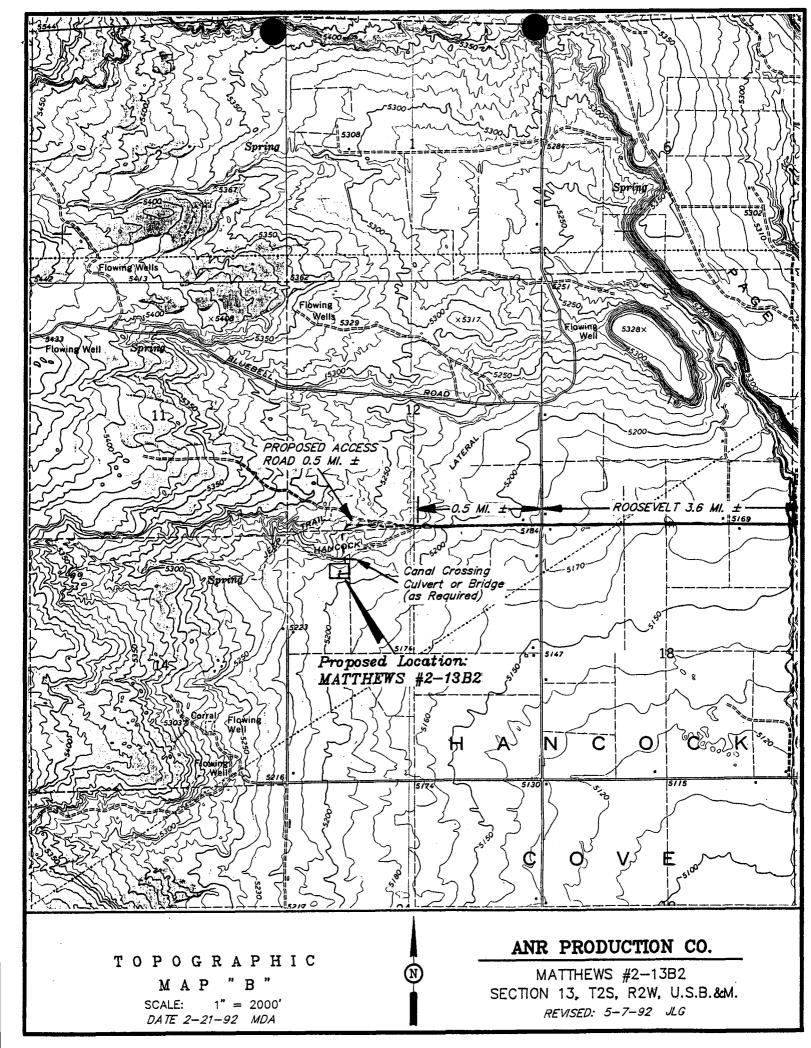
(State Use Only)

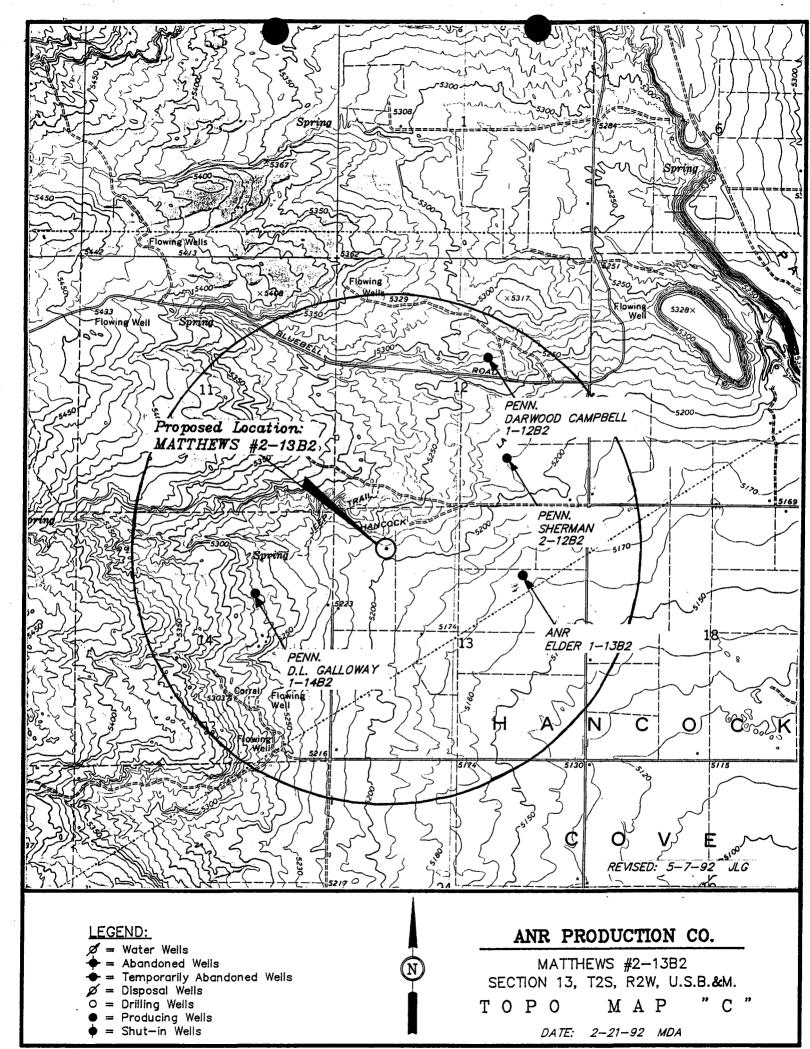




2-20-92







ANR PRODUCTION COMPANY

Matthews #2-13B2 NW/NW, Section 13, T2S-R2W Duchesne County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

Tertiary (Uinta/Duchesne)	Surface
Lower Green River	8,663
Wasatch	10,041'
Total Depth	12,400

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

Lower Green River-Wasatch

8,663-12,400'

Gas (Primary Objective)

All freshwater and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: (Schematic Attached)

Type

11" Double Gate Hydraulic with one (1) blind ram (above) and one (1) pipe ram (below) and 11" Annular

Preventer; equipped with automatic choke mainfold and

11" casing head.

Pressure Rating:

5000 psi BOP, 5000 psi choke manifold, 5000 psi Annular

Preventer and 5000 psi casing head.

4. Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
0-3,000'	Native Mud	8.5- 9.0	35-50	No Control
3,000-12,400'	Gel/Polymer	12.0-15.0	35-45	10-12 cc's/less

5. Evaluation Program:

Logs

DLL-SP-GR - 12,400'-6,000'

BHC-Sonic-GR - 12,400'-6,000'

DST's

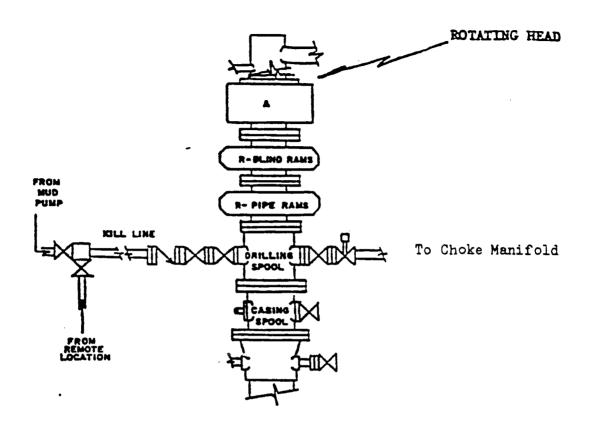
None Anticipated.

Cores

None Anticipated.

Evaluation Program may change at the discretion of the wellsite geologist.

5,000 psi Working Pressure BOP



Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below. test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test. pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

ANR PRODUCTION COMPANY

Matthews #2-13B2 NW/NW Section 13, T2S-R2W Duchesne County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

A. Dalbo Trucking will supply water from the Duchesne River located in the NE¼ Section 1, Township 2 South, Range 4 West; Water Right #43-101-68.

2. Methods of Handling Water Disposal:

A. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, the holding tanks will be pumped and the contents disposed of in a municipal sewage treatment facility or other authorized disposal facility.

B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be

hauled to an approved sanitary landfill.

C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the toal depth below the original ground surface on the lowest point within the pit. The reserve pit will be lined.

3. Plans for Reclamation of the Surface:

A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.

B. Upon completion of backfilling, leveling and re-contouring, the stock-piled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the Surface Owner. Seed will be drilled on the contour to an approximate depth of 1/2 inch.

C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will

be flagged overhead or covered with wire mesh.

ANR Production Company
Matthews #2-13B2
Supplement to Application for Permit to Drill
Page 2

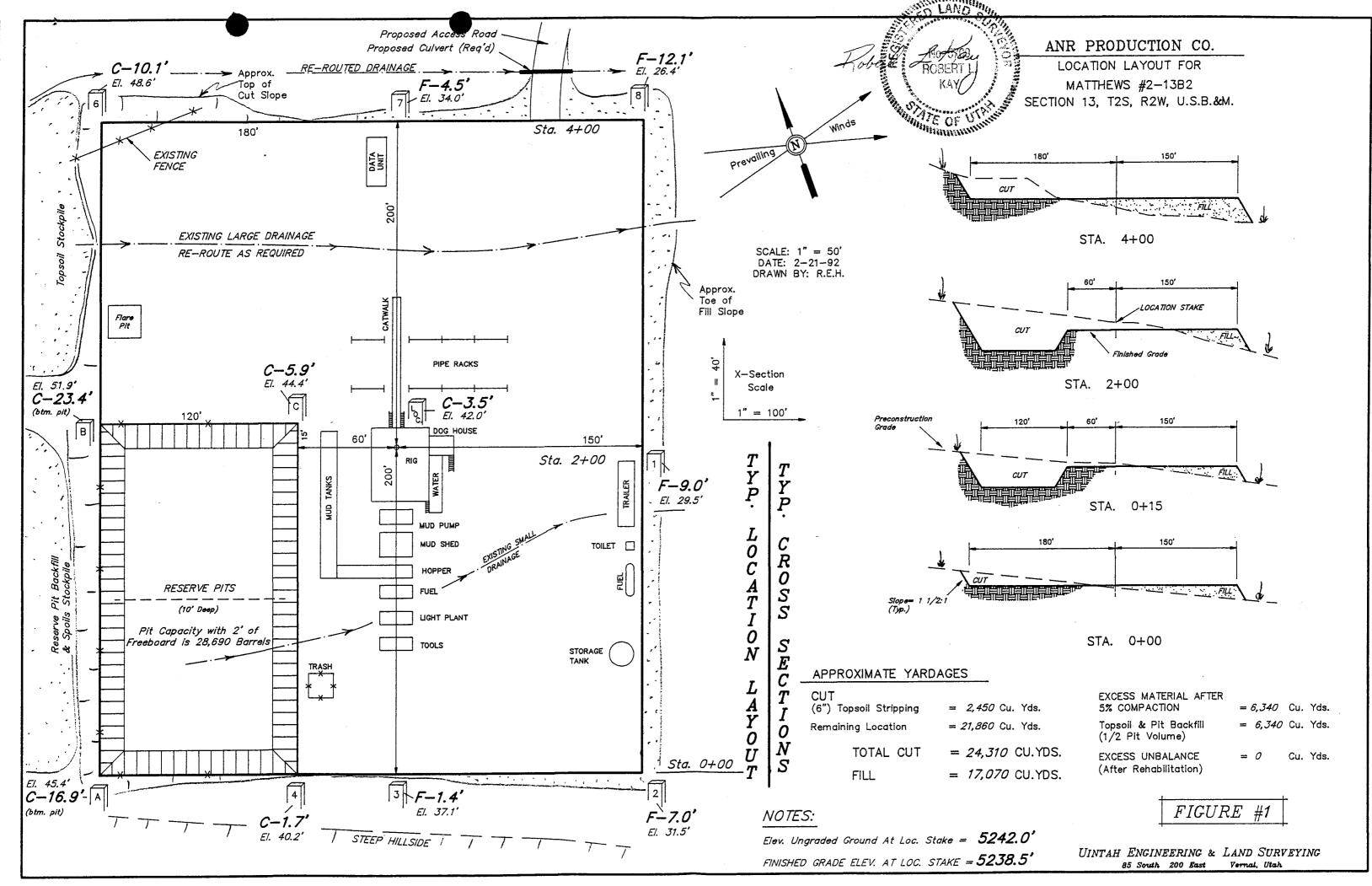
3. Plans for Reclamation of the Surface: Continued

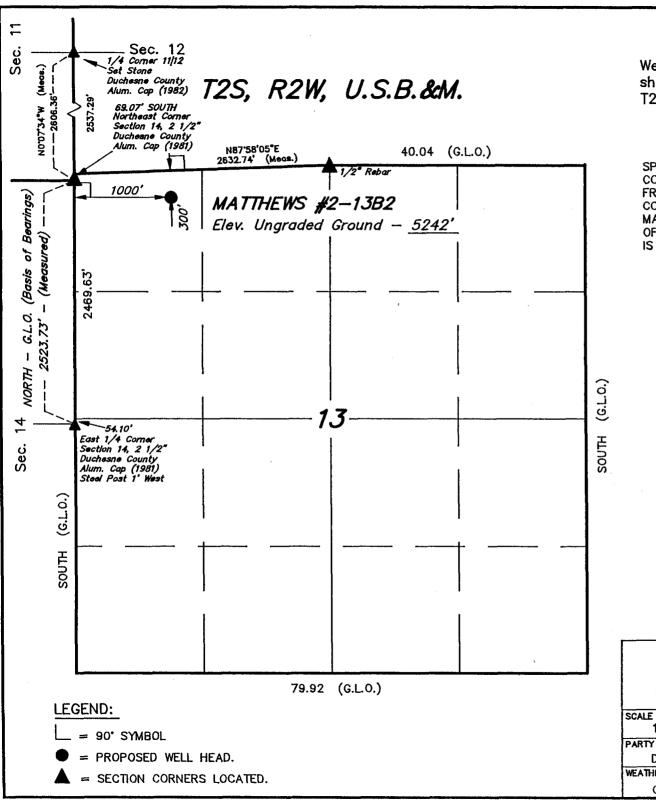
E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Fall of 1992.

4. Other Information:

A. The surface is owned by Cornelius H. Matthews & Anne S. Matthews. Telephone: (801) 722-3033. ANR Production Company has agreed to his requirements as to the rehabilitation of the surface.

Cornelius Matthews Route 3, Box 3043 Roosevelt, Utah 84066



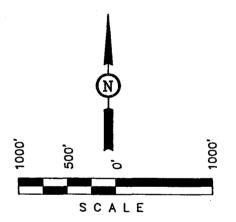


ANR PRODUCTION CO.

Well location, MATTHEWS #2-13B2, located as shown in the NW 1/4 NW 1/4 of Section 13, T2S, R2W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION AT THE NE CORNER OF SECTION 13, T2S, R2W, U.S.B.&M. TAKEN FROM THE HANCOCK COVE QUADRANGLE, DUCHESNE COUNTY, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5184 FEET.



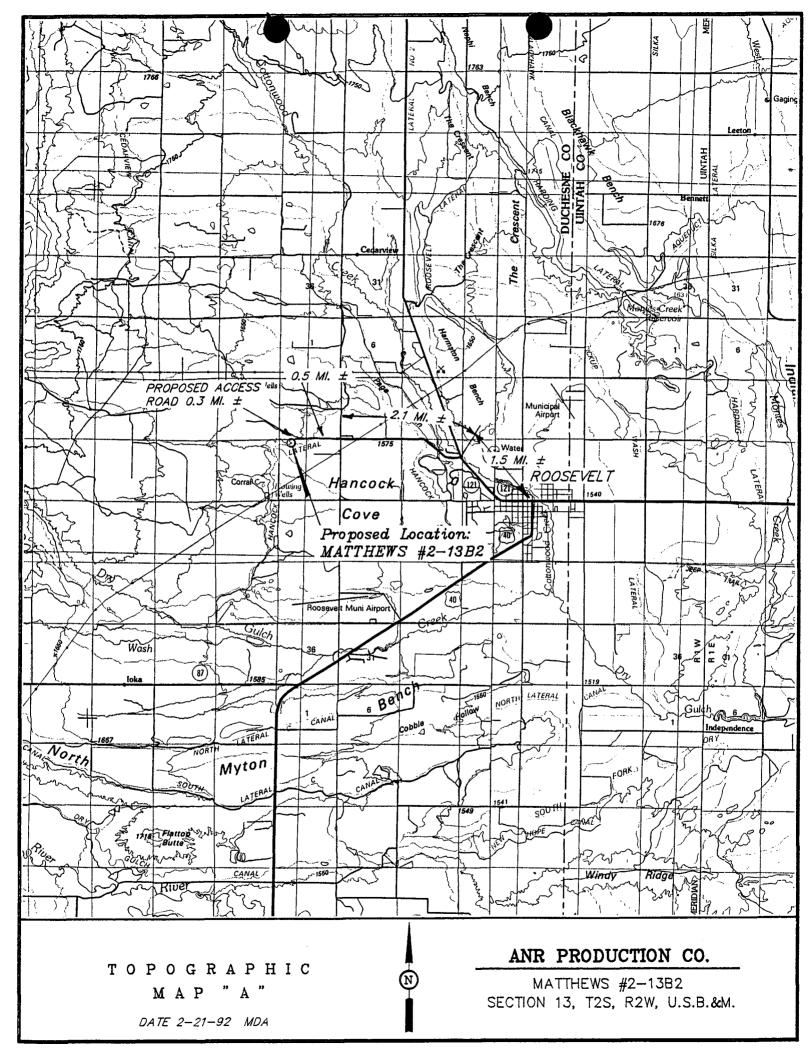
CERTIFICATE NELLENGIA

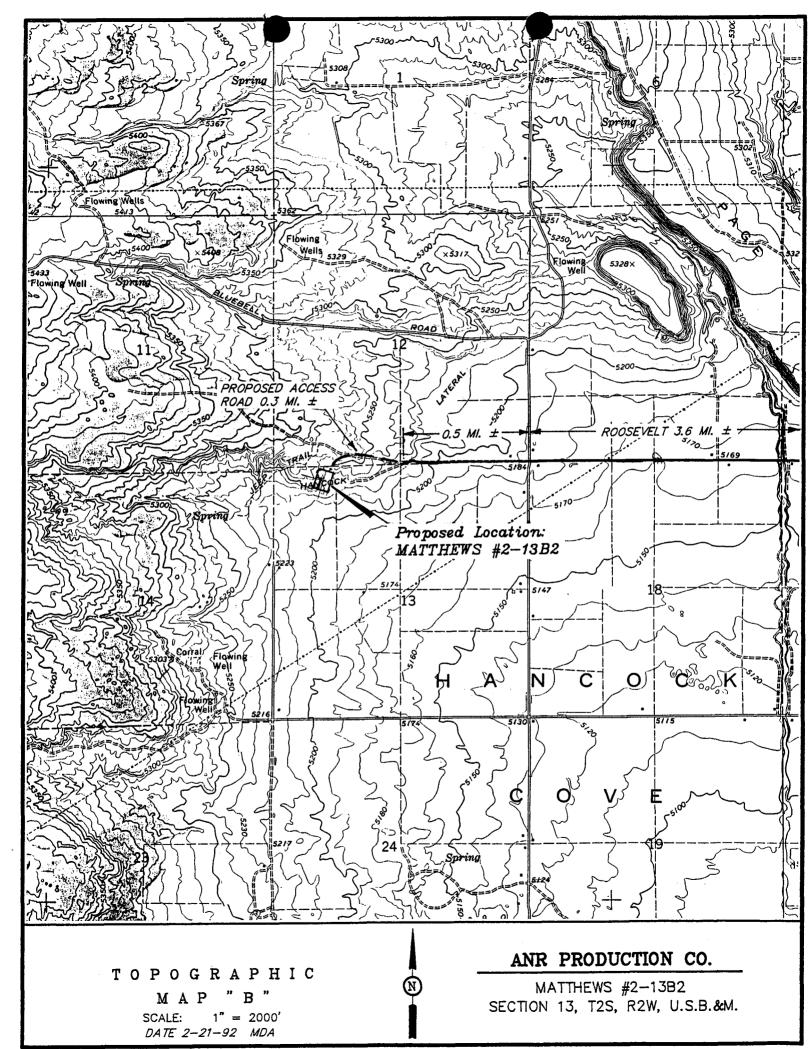
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE THUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELLET

REGISTERED LAND SURVEYOR REGISTRATION NO. 5709 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

_	<u> </u>	
SCALE	DATE	DATE SURVEYED
1" = 1000'	2-21-92	2-20-92
PARTY	REFERENCES	
D.A. J.T.K. MDA	G.L.O. PLAT	
WEATHER	FILE	
COLD	ANR PRODUC	TION CO.







Division Director



355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

May 28, 1992

ANR Production Company P.O. Box 749 Denver, Colorado 80201-0749

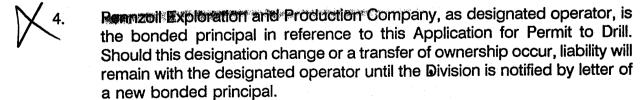
Gentlemen:

Re: Matthews 2-13B2 Well, 858 feet from the north line, 1098 feet from the west line, NW 1/4 NW 1/4, Section 13, Township 2 South, Range 2 West, Duchesne County, Utah

Pursuant to Utah Code Ann. § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No. 139-42 dated April 12, 1985, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

- 1. Obtain water samples from nearby flowing water wells and have samples analyzed for basic chemical parameters.
- 2. Reserve pit should be lined with a synthetic liner of 12 mil minimum thickness.
- 3. Berms should be placed as necessary to prevent runoff from the location.



5. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.

Page 2 ANR Production Company Matthews 2-13B2 Well May 28, 1992

- 6. Notification within 24 hours after drilling operations commence.
- 7. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
- 8. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 9. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
- 10. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31357.

Sincerely,

Associate Director, Oil and Gas

ldc

Enclosures

cc: Bureau of Land Management

J.L. Thompson

WOI1

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: ANR PRODUCTION COMPANY WELL NAME: MATTHEWS 2-13B2

SECTION: 13 TWP: 2S RNG: 2W LOC: 858 FNL 1098 FWL

QTR/QTR NW/NW COUNTY: DUCHESNE FIELD: ALTAMONT/BLUEBELL

SURFACE OWNER: CORNELIUS MATTHEWS

SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL

INSPECTOR: BRAD HILL DATE AND TIME: 1/14/92 13:00

<u>PARTICIPANTS:</u> Robert Kay-Uinta Engineering; Dan Jarvis-DOGM; Scott Seeley-ANR; Randy Jackson-Jackson Construction

REGIONAL SETTING/TOPOGRAPHY: West central Uinta Basin approximately 2 miles west and north of Roosevelt, Utah. The proposed location lies in a cultivated field. An east-west irrigation canal lies just off the north edge of the proposed location.

LAND USE:

CURRENT SURFACE USE: Agricultural

PROPOSED SURFACE DISTURBANCE: A roughly rectangular pad will be constructed with approximate dimensions of 400'X 330'. This pad will include a reserve pit with dimensions of 205'X 120'. An access road .5 miles long will also be constructed. A bridge or

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Plowed field on pad. Pasture grass, Rushes, Cottonwood trees, Greasewood and Rabbitbrush surrounding and on access.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Sandy-silt.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Lower Green River-Wasatch/8,663-12,400'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: N.A.

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: To be reclaimed as per land owner instructions.

RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with dimensions of 205'X 120'X 10'.

LINING: The reserve pit is to be lined with a synthetic liner with a minimum thickness of 12 mils. Rushes on adjacent area indicate a probability of near surface water. This location is also adjacent to water wells and a park used for outdoor recreation and camping.

MUD PROGRAM: 0-3,000'/Native mud; 3,000-12,400'/Gel/Polymer

DRILLING WATER SUPPLY: Duchesne River

OTHER OBSERVATIONS

This location is the third choice location for ANR but is by far the best surface location of the three.

STIPULATIONS FOR APD APPROVAL

The pit is to be lined with a synthetic liner.
The pad is to be bermed to prevent any run off from the location.

ATTACHMENTS

Photographs will be placed on file.



Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

June 11, 1992

ANR Production Company P.O. Box 749 Denver, Colorado 80201-0749

Gentlemen:

Re: Amended Approval of Application for Permit to Drill, Matthews 2-13B2 Well, 858 feet from the north line, 1098 feet from the west line, NW 1/4 NW 1/4, Section 13, Township 2 South, Range 2 West, Duchesne County, Utah

Pursuant to Utah Code Ann. § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No. 139-42 dated April 12, 1985, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

- 1. Obtain water samples from nearby flowing water wells and have samples analyzed for basic chemical parameters.
- 2. Reserve pit should be lined with a synthetic liner of 12 mil minimum thickness.
- 3. Berms should be placed as necessary to prevent runoff from the location.
- 4. ANR Production Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
- 5. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.

Page 2
ANR Production Company
Matthews 2-13B2 Well
June 11, 1992

- 6. Notification within 24 hours after drilling operations commence.
- 7. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
- 8. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 9. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
- 10. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31357.

Sincerely,

Associate Director, Oil and Gas

ldc

Enclosures

CC:

Bureau of Land Management

J.L. Thompson

WOI1



Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director
801-538-

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

June 13, 1992

Mr. James P. Spillane Joint Interest Coordinator Pennzoil Exploration and Production Company P.O. Box 2967 Houston, Texas 77252-2967

Re: Application for Permit to Drill, Matthews #2-13B2 Well, API No. 43-013-31357, Sec. 13, T. 2S, R. 2W, U.S.M., Duchesne County, Utah

Dear Mr. Spillane:

Enclosed is a copy of the amended approval issued by the Division of Oil, Gas and Mining for the referenced well. ANR Production Company has been properly identified as the designated operator and bonded principal in regard to Application for Permit to Drill for the Matthews #2-13B2 Well.

We appreciate your advisory letter and apologize for the confusion which resulted from our administrative error. Please contact me a (801)538-5340 if you have any further questions or concerns regarding this matter.

Sincerely,

Associate Director, Oil and Gas

ldc WOI58

PENNZOIL EXPLORATION AND PRODUCTION COMPANY

June 11, 1992

PENNZOIL PLACE • P.O. BOX 2967 • HOUSTON, TEXAS 77252-2967 • (713) 546-4000

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Attn: R. J. Firth
355 West North Temple
3 Triad Center, Ste. 350
Salt Lake City, Utah 84180-1203

BEGINVEDI
JUN 1 5 1997

DIVISION OF OIL GAS & MINING

Re: Authority for Permit to Drill(APD)
Matthews #2-13B2 well
API # 43-013-31357
Sec. 13, T2S, R2W, USM
Duchesne County, Utah

Dear Mr. Firth:

ANR Production Company has informed Pennzoil Exploration And Production Company (PEPCO) that as designated operator, Pennzoil is the bonded principal in reference to the captioned APD, and as such has requested a designation of successor operator for the proposed well.

A review of our records does not indicate any time that Pennzoil was either the actual operator or designated same by any party. Pennzoil owns no public lands (State, Federal or Indian) within Section 13,T2S,R2W, Duchesne County, Utah; nor, is Pennzoil a successor in interest to any party named as owning such an interest within the communitized area.

The currently productive well in said section 13(Elder 1-13B2), is operated by ANR as successor to Utex. All reporting to State entities regarding operations for the Elder 1-13B2 well is done by ANR. As a minor interest owner in the section, Pennzoil has looked to ANR to fulfill all bonding requirements under the Elder 1-13B2 well and the proposed Matthews 2-13B2 well. We were somewhat dismayed therefore to discover that Pennzoil has been named as the bonded principal.

It is hoped by this letter to rectify this inadvertent clerical mistake. Please revise your records to indicate ANR Production Company as the bonded principal in the section for both the Elder #1-13B2 and Matthews #2-13B2 wells.

We appreciate your prompt attention to this matter. Please feel free to give me a call at (713) 546-8605 should you have any questions regarding the above.

Sincerely

James P. Spillane

Joint Interest Coordinator

Jps061192

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINI	6. Lease Designation and Serial Number Fee 7. Indian Allottee or Tribe Name	
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drill new wells; deepen existing wells; or to re Use APPLICATION FOR PERMIT—for such prop	enfor nivered on debandance	N/A 8. Unit or Communitization Agreement
Type of Wen	054is::	N/A
Coil Gas Other (specify) Name of Operator		9. Well Name and Number Matthews #2-13B2
ANR Production Company Address of Operator		10. API Well Number 43-013-31357
P.O. Box 749 Denver, CO 80201-0749	4. Telephone Number (303) 573–4476	11. Field and Pool, or Wildest Altamont/Bluebell
Footage 300' FNL and 1000' FWL QQ. Sec. T. R. M.: NW/NW Section 13, T2S, R2W CHECK APPROPRIATE BOXES TO INDICATE N. NOTICE OF INTENT	Chan-	Duchesne
(Submit in Duplicate)	SUBSEC	DUENT REPORT Original Form Only)
Abandonment New Construction Casing Repair Pull or Alter Casing Change of Plans Recompletion Conversion to Injection Shoot or Acidize Fracture Treat Vent or Flare Multiple Completion Water Shut-Off	Abandonment Casing Repair Change of Plans Conversion to Injection Fracture Treat Other Report of St	New Construction Pull or Alter Casing Shoot or Acidize Vent or Flare Water Shut-Off
Approximate Date Work Will Start	Date of Work Completion	
	AN WEST SOMESTED ON VEST	ons and Recompletions to different reservoirs MPLETION AND LOG form.
DESCRIBE PROPOSED OF COLUMN	* Must be accompanied by a ceme	ent verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Bill Jr's. Rathole rig. Spud surface hole on 6/10/92. Drld 18" hole to 195' GL. Ran 5 jts 13-3/8" 54# J55 ST&C csg & set @ 195' GL. Cmtd w/235 sx Cl "G" cmt + add.



DIVISION OF OIL GAS & MINING

. Thereby certify that the foregoing is true and forrect			
ame & Signature DUUM AMUUL OUT	Title	Regulatory Analyst Oate	6/18/92
late Use Only)			

STATE OF			
DIVISION	or off	GAS ANI	MINING
ENTITY	ACTION	FORM	- FORM 6

ANR Production Company P.O. Box 749 ADDRESS _ Denver, CO 80201-0749

OPERATOR	ACCT.	NO.	Ņ	0675	

ACTION CURRENT		NEW	API NUMBER	WELL NAME		WELL LOCATION				Coup	T ======
CODE ENTITY NO. I	ENTITY NO.	QQ			SC	TP	RG	COUNTY	SPUD Date	EFFECTIVE - DATE	
A	99999	11374	1	Matthews #2-13B2	NM\NM	13	2S	2W	Duchesne	6/10/92	6/10/92
WELL 1 C	OMMENTS:	Fee-Lease Freld-Alfa Knit-N/1	emont Entit	one-WSTC 1 added 6-25-92. Jup					•		
 							ĺ				
WELL 2 C	OMMENTS:				<u> </u>		<u> </u>	1	<u> </u>		
		·									1
WELL 3 C	OMMENTS:		1				<u>!</u>	<u> </u>	<u> </u>	<u> </u>	1
WELL 4 C	OMMENTS:				· · · · · · · · · · · · · · · · · · ·		<u>'</u>		<u>!</u>	<u></u>	<u> </u>
WELL 5 CO	OMMENTS:	·			!					<u> </u>	
							12	T			
107100					DEG	<u>z][]</u>			[Co		
ACTION CODES (See instructions on back of form) A - Establish new entity for new well (single well only) B - Add new well to existing entity (group or unit well) C - Re-assign well from one existing entity to another existing entity D - Re-assign well from one existing entity to a new entity		or unit well)	JUN	2 2	1992		Signature Ei	Alla ileen Danni	Ul ly Dey		
						Regulatory	Analyst	6/18/92			

NOTE: Use COMMENT section to explain why each Action Code was selected.

E - Other (explain in comments section)

OIL GAS & MINING

Regulatory Analyst Title

Date

Phone No. (303) 573-4476

DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MINI	CES 6. Lease Designation and Sensi Number Fee			
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drill new welfs; deepen existing welfs; or to re Use APPLICATION: FOR PERMIT—for such prop	7. Indian Allottee or Tribe Name ON: WELLS: N/A			
Oil Gas Other (specify) Name of Operator	9. Well Name and Number Matthews #2-13B2			
ANR Production Company	10. API Well Number 43-013-31357			
P.O. Box 749 Denver, CO 80201-0749	4. Telephone Number (303) 573-4476 11. Field and Poot, or Wildest Altamont/Bluebell			
Footage 300' FNL and 1000' FWL QQ. Sec. T. R. M.: NW/NW Section 13, T2S, R2W CHECK APPROPRIATE ROYES TO INDICATE ROYES	Duchesne County: State: UTAH			
(Submit in Duplicate)	STATE: UTAH ATURE:OF NOTICE: REPORT, OR OTHER DATA SUBSEQUENT REPORT (Submit Original Form Only)			
Casing Repair Change of Plans Conversion to Injection Fracture Treat Multiple Completion Other New Construction Pull or Alter Casing Recompletion Shoot or Acidize Vent or Flare Water Shut-Off	Abandonment ' New Construction Casing Repair Pull or Alter Casing Change of Plans Shoot or Acidize Conversion to Injection Vent or Flare Fracture Treat Water Shut-Off Other Report of Drilling Operations			
Approximate Date Work Will Start Paper results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.				

 Must be accompanied by a cement verification report. 3. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give substitutes ocations and measured and true vertical depths for all markers and zones pertinent to this work.)

> Please see the attached chronological history for the drilling operations for the above-referenced well.

NOV n 9 1992

DIVISION OF OIL GAS & MINING

. I hereby certify that the loredoing is true and correct anu 1 ame & Signature Title Regulatory Analyst Date 11/4/92 tate Use Only)

PAGE 6

COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

10/16/92

12,252' Circ hole and prep to TFNB. 85'/11 hrs. Drlg, RS. Circ hole and pump 13.7 ppg pill. TOH w/bit. TIH w/re-run bit and wash 60' to btm (no fill). Drlg, bit pressured up. Circ and cond hole. Wasatch FM, 60% SH, 20% LS, 20% SD, BGG 4000 U, CG 5600 U, TG 6000 U. Lost 150 BM/24 hrs to seepage. MW 13.7, VIS 42, WL 8.8, PV 19, YP 17, 3% 0IL, 20% SOL, PH 11.5, ALK 0.7/2.0, CL 8000, CA 100, GELS 8, 10" 22, CAKE 2. CC: \$1,179,663.

DRLG BREAKS MPF GAS UNITS
12176-182' 9-6-7 3000-3600-3200 No FL or cut, TR of oil 12194-200' 8-7-7 3200-3600-3400 No FL or cut, TR of oil 12206-234' 10-6-10 3800-5000-4000 No FL or cut, TR of oil

10/17/92

12,360' Drlg 108'/13.5 hrs. Circ and cond, TFNB. TIH, wash 40' to btm, no fill. Drlg in Wasatch, BGG 2000 U, CG 3600 U, TG 3500 U, 50% SH, 40% SS, 10% LS. Lost 50 bbls mud last 24 hrs. MW 13.7, VIS 38, WL 8, PV 38, YP 15, 2% OIL, 20% SOL, PH 11.5, ALK .6/1.8, CL 7500, CA 60, GELS 5, 10" 18, CAKE 2. CC; \$1,192,251.

DRLG BREAKS MPF GAS UNITS
12240-252' 8-4-6.5 4200-4800-4200 No fluor, cut or oil 12340-350' 7-3.5-7 2000-3000-2000 No fluor, cut or oil

12,400' Running open hole logs. 40'/5 hrs. Drlg, RS, drlg. Circ and cond. Short trip 30 stds, no fill. C&C, SLM, no corr. Running DLL/SP/GR from 12,380'. BGG 2500 U, CG 3500 U, 70% SH, 20% LS, 10% SS. No mud loss. Drlg break from 12,370-390', MPF 8-6-9, gas units 2000-3000-2400, no fluor, cut or oil. MW 13.7, VIS 38, WL 8, PV 38, YP 15, 2% OIL, 20% SOL, PH 11.5, ALK .6/1.8, CL 7500, CA 60, GELS 5, 10" 18, CAKE 2. CC: \$1,215,589.

10/19/92

12,400' TIH w/5" liner on DP. Finish running open hole logs (DLL-SP-GR and Sonic-GR-Cal) from 12,380' (logger's TD) to 9950'. TIH w/BHA. Cut drlg line. Finish TIH and wash 45' to btm (no fill). Circ and cond. TOH w/BHA. LD 4-3/4" DC. Run 68 jts 5" 18# S-95 H521 (tally 2637') w/Baker liner hangar and float equipment (TL 2658.04') w/2 turbolators on first 10 jts, 1 turbolator on each jt thereafter. TIH w/5" liner on DP. BGG 1500 U, TG 3000 U. MW 13.6, VIS 42, WL 7.2, PV 18, YP 19, 2% OIL, 20% SOL, PH 11.5, ALK 0.6/2.0, CL 7500, CA 40, GELS 3, 10" 18, CAKE 2. CC: \$1,284,633.

10/20/92

12,400' RDRT. RU Halliburton and circ hole then hang 5" liner. Pump liner cmt as follows: 250 sx Prem AG 250 cmt w/35% SSA-1, 0.8% CFR-3, 0.4% Halad-24, 0.4% Super CBL, 0.3% HR-5. Preceded cmt w/20 bbls 14.2 PPG mud flush. Displace w/10 BFW followed by 100 bbls 13.6 PPG mud. Bumped plug and floats held OK. Had full returns and rot liner throughout job. Cmt in place and job complete 0 11:05 a.m., 10/19/92. Stung out of liner and pulled 15 stds, then LD 3-1/2" DP. ND BOPE and NU, test tbg hd and 6" BOPE. Clean mud tanks and released rig at 6:00 a.m., 10/20/92. CC: \$1,355,667. FINAL DRILLING REPORT.

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH PAGE 5

10/8/92	11,078' Drlg 120'/23.5 hrs. Drlg, RS. Waatch, 80% SH, 10% LS, 10% SS, BGG 800 U, CG 2600 U. MW 10.5, VIS 38, WL 7.2, PV 14, YP 12, 1% OIL, 10% SOL, PH 10, ALK .6/2.2, CL 8000, CA 32, GELS 2, 10" 8, CAKE 2. CC: \$1,049,294.
	<u>DRLG BREAKS MPF GAS UNITS</u>
	10942-952' 14-9-12 800-2000-800 No fluor, cut or oil
	10966-974' 11-9-12 1400-2000-1600 No fluor, cut or oil
	1100614' 12-10-12 1400-2000-1400 No fluor, cut or oil
	Lost 40 bbls mud to seepage.

10/9/92

11,208' Drlg 130'/24 hrs. Drlg, Wasatch FM, 90% SH, 10% SDST, BGG 2800 U, CG 5300 U. Lost 85 BM to seepage last 24 hrs. MW 10.5, VIS 37, Wl 10, pv 10, YP 10, 1% OIL, 10% SOL, PH 10.5, ALK 0.8/2.5, CL 8000, CA 16, GELS 2, 10" 8, CAKE 2. CC: \$1,057,813.

DRLG BREAKS MPF GAS UNITS

11,108-124' 12-8.5-15.5 1000-3000-2500 No FL or cut, slight incr in oil 11,132-150' 15-10.5-13 2500-3000-2000 No FL or cut, TR of oil 11,156-174' 10.5-5-11 2000-3600-2500 10% FL, fair cut & incr in oil

10/10/92 11,287' Drlg 79'/12 hrs. Drlg, RS, drlg. POH for bit. Magnaflux BHA, found 3 cracked boxes. TIH, W&R 45' to btm, no fill. Drlg, Wasatch, 70% SH, 10% SS, 20% LS, BGG 2000 U, CG 4000 U, TG 6000 U. Lost 100 bbls mud to seepage in last 24 hrs. MW 11, VIS 42, WL 12.8, PV 15, YP 18, 1% OIL, 11% SOL, PH 11, ALK .7/3.2, CL 8000, CA 10, GELS 10, 10" 22, CAKE 2. CC: \$1,079,860.

<u>DRÍG BŘEAKS</u> <u>MPF</u> <u>GAS UNITS</u> 11226-238' 14-6-8 2200-2600-2200 10% fluor, wk cut, TR of oil 11246-255' 7-4-5 2200-2600-2200 Weak cut and TR of oil

- 10/12/92 11,612' Drlg 158'/23.5 hrs. Drlg, RS, drlg. Wasatch FM, 50% SH, 30% LS, 20% SS, BGG 3500 U, CG 5000 U. Show #56 from 11,468-482', MPF 8-4-9, gas units 2400-4000-3000. MW 12.1, VIS 38, WL 7.2, PV 14, YP 15, 2% OIL, 16% SOL, PH 10, ALK 0.7/2.8, CL 8000, CA 60, GELS 6, 10" 12, CAKE 2. CC: \$1,105,846.
- 10/13/92 11,789' Drlg 177'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% LS, 10% SDST, BGG 4500 U, CG 6100 U. Lost 300 BM in last 24 hrs. MW 12.3, VIS 38, WL 8.4, PV 14, YP 14, 3% OIL, 16% SOL, PH 11, ALK 0.8/2.5, CL 7500, CA 20, GELS 4, 10" 8, CAKE 2. CC: \$1,136,552.
- 10/14/92 11,978' Drlg 189'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% LS, 10% SD, BGG 3000 U, CG 4500 U. Lost 100 BM in last 24 hrs to seepage. Show #57 from 11,810-11,822', MPF 8-5-8, gas units 3400-4000-3600, NO FL, cut or oil. MW 12.5, VIS 39, WL 8, PV 14, YP 18, 3% OIL, 15% SOL, PH 11, ALK 0.1/3.5, CL 8000, CA 10, GELS 6, 10" 18, CAKE 2. CC: \$1,149,329.
- 12,167' Drlg 187'/23½ hrs. Drlg, RS. Wasatch FM, 90% SH, 10% SD, BGG 3000 U, CG 4400 U. MW 13.0, VIS 39, WL 8.8, PV 15, YP 17, 2% 0IL, 20% SOL, PH 11, ALK 0.6/2.0, CL 8000, TR CA, GELS 6, 10" 12, CAKE 2. CC: \$1,160,815. 10/15/92 DRLG BREAKS MPF GAS UNITS 8-6-7 11918-926' 3800-4000-3800 No FL or cut, TR of oil 11980-992' 8-6-7 4200-5000-4200 No FL or cut, TR of oil 12014-024' 8.5-6-7.5 3800-4800-3800 No FL or cut, TR of oil 12044-068' 7-6-8 3800-4600-3800 No FL or cut, TR of oil

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

- 9/27/92

 9950' Cmt csg. C&C, LD 5" DP and 6-3/4" DC's. RU T&M casers. Ran 231 jts 7" csg, 138 jts 36#, LT&C, CF95, 5931.72', X-over jt 26# N-80 & 92 jts 26# Buttress, N-80, 3971.21', Howco diff shoe and float. Total string 9951.19', turbolators 1st 17 jts. C&C, TG 4000 U decr to 200 U. Cmt w/Howco, 20 BW, 30 bbls Superflush, 30 BW, 1340 sx Silicalite, .3% Halad 413, 2% CaCl₂, 4% gel, 2#/sx Capseal, 1/4#/sx Flocele, 12#/gal, 1.97 yield, tail 835 sx "H" w/.6% Hal 322, .3% HR5, .2% Super CBL, 16.4#/gal, 1.06 yield. Drop plug and displace w/378 bbls mud. Good returns. Circ 80 bbls cmt to surf. MW 10.4, VIS 35, WL 24, PV 7, YP 18, TR OIL, 11% SOL, PH 9.5, ALK .6/2.8, CL 8000, CA 68, GELS 15, 10" 20, CAKE 2. CC: \$850,371.
- 9/28/92 9950' PU 3½" DP. Set 7" csg slips and ND BOP. Cut off 7" and NU 4^OP. Test BOP to 5000#, Hydril to 2500#. Cut DL, RU T&M Casers. PU 4-3/4" DC's and 3-1/2" DP. Tag cmt at 9542'. MW 10.4, VIS 41, WL 28, PV 8, YP 22, TR OIL, 11% SOL, PH 9.5, ALK .7/3.5, CL 8000, CA 52, GELS 15, 10" 15, CAKE 2. CC: \$933,344.
- 9/29/92 10,007' Drlg 57'/8.5 hrs. Drlg cmt from 9542'. RS, drlg cmt to float @ 9900'. Test csg to 1500 psi/15 min, OK. Drlg cmt and shoe. Drlg FMN. TFNB #9. W&R to btm. Drlg. Wasatch top @ 9995', 90% SH, 10% LS, BGG 150 U, CG 200 U, TG 750 U. MW 10.1, VIS 34, WL 26.4, PV 5, YP 13, TR OIL, 9% SOL, PH 12, ALK 1.7/2.8, CL 8000, CA 12, GELS 5, 10" 10, CAKE 2. CC: \$945,964.
- 9/30/92 10,148' Drlg 141'/23.5 hrs. Drlg, RS. Wasatch, 80% SH, 10% LS, 10% SS, BGG 50 U, CG 150 U. MW 10.1, VIS 35, WL 14.6, PV 6, YP 13, TR 0IL, 9% SOL, PH 12, ALK .7/1.8, CL 7000, CA 40, GELS 2, 10" 8, CAKE 2. CC: \$965,877.
- 10/1/92 10,263' Drlg 115'/23½ hrs. Drlg, RS. Wasatch FM, 100% SH, BGG 700 U, CG 2600 U. Show #41 from 10,188-10,194', MPF 10.5-10-11, gas units 40-5000-2500, TR FL, wk cut and TR of oil. MW 10.1, VIS 36, WL 8.8, PV 10, YP 10, TR 0IL, 9% SOL, PH 11.5, ALK 0.6/2.2, CL 7000, CA 56, GELS 2, 10" 8, CAKE 2. CC: \$975,364.
- 10/2/92 10,381' Drlg 118'/23.5 hrs. Drlg, RS. Wasatch, 80% SH, 20% LS, BGG 800 U, TG 2000 U. MW 10.1, VIS 35, WL 8.4, PV 8, YP 9, TR 0IL, 9% SOL, PH 11, ALK .6/1.6, CL 6800, CA 56, GELS 1, 10" 2, CAKE 2. CC: \$991,018.
- 10/3/92 10,496' Drlg 115'/23.5 hrs. Drlg, RS. Wasatch, 90% SH, 10% LS, BGG 700 U, CG 2400 U. Drlg brk #24 from 10,426-431', MPF 12-8-12.5, gas units 600-3100-1200, TR fluor, wk cut, TR oil. MW 10.0, VIS 36, WL 6.4, PV 10, YP 10, TR OIL, 9% SOL, PH 11, ALK .4/2.2, CL 6800, CA 60, GELS 1, 10" 3, CAKE 2. CC: \$998,582.
- 10/4/92 10,603' Drlg 107'/23.5 hrs. Drlg, RS. Wasatch, 60% SH, 40% LS, BGG 300 U, CG 1500 U. MW 10.1, VIS 37, WL 7.6, PV 11, YP 11, TR 0IL, 9% SOL, PH 10.5, ALK .4/1.6, CL 7000, CA 160, GELS 1, 10" 5, CAKE 2. CC: \$1,006,066.
- 10,716' Drlg 113'/23.5 hrs. Drlg, RS. Wasatch FM, 50% SH, 40% LS, 10% SS, BGG 1400 U, CG 2750 U. Show #43 from 10,642'-10,672', MPF 13-5-12, gas units 300-2500-1500, TR FL, WK cut and fair amt of oil. MW 10.2, VIS 37, WL 6, PV 12, YP 12, 1% OIL, 9% SOL, PH 10.5, ALK 0.3/1.3, CL 8000, CA 112, GELS 2, 10" 6, CAKE 2. CC: \$1,013,176.
- 10/6/92 10,828' Drlg 112'/23.5 hrs. Drlg, RS. Wasatch, 60% SH, 40% LS, BGG 1000 U, CG 4000 U. Lost 100 bbls mud in last 24 hrs to seepage. MW 10.1, VIS 36, WL 7.2, PV 9, YP 11, 1% OIL, 9% SOL, PH 10.5, ALK .3/1.2, CL 8500, CA 80, GELS 2, 10" 5, CAKE 2. CC: \$1,023,014.
- 10/7/92 10,958' Drlg 130'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% SS, 10% LS, BGG 800 U, CG 4000 U. Show #44 from 10,844-858', MPF 11-10-12, gas units 800-2200-1200, TR Fluor, wk cut and slight increase in oil. Lost 125 BM/24 hrs due to seepage. MW 10.5, VIS 36, WL 7.6, PV 12, YP 10, 1% OIL, 10% SOL, PH 11, ALK 0.5/2.2, CL 8000, CA 40, GELS 2, 10" 6, CAKE 2. CC: \$1,038,943.

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

9/25/92

9/19/92	8490' Drlg 287'/23.5 hrs. Drlg, RS, drlg in GR, 80% SH, 20% LS, BGG 200 U, CG 450 U. MW 9.1, VIS 33, WL 31, PV 7, YP 5, 0% OIL, 0% LCM, 3.2% SOL, PH 11, ALK 1.1/2.6, CL 8500, CA 40, GELS 1, 10" 3, CAKE 2. CC: \$542,190. DRLG BREAKS MPF GAS UNITS 8182-8192' 6-4-6 250-550-360 TR blk oil, 40% fluor, fair cut
	8182-8192' 6-4-6 250-550-360 TR blk oil, 40% fluor, fair cut 8206-8228' 7-5-6 360-600-400 TR blk oil, TR fluor, wk cut 8296-8318' 5-4.5-5 250-500-350 TR blk oil, TR fluor, fair cut 8408-8422' 4.5-3-5 250-450-350 TR blk oil, TR fluor, fair cut 8450-8460' 6-4-5 200-400-200 TR blk oil, 10% fluor, fair cut
9/20/92	8750' Drlg 260'/23 hrs. Drlg, RS, svy: 2-1/2 deg @ 8465'. Drlg in GR, 80% SH, 20% LS, BGG 150 U, CG 300 U. MW 9.1, VIS 34, WL 29.6, PV 9, YP 5, TR OIL, 3.2% SOL, PH 10.5, ALK .9/2.5, CL 8500, CA 40. CC: \$549,463. DRLG BREAKS MPF GAS UNITS 8522-8538' 5-4-5 250-500-280 TR blk oil, 30% fluor, fair cut 8648-8658' 6-4-6 180-400-200 TR blk oil, 30% fluor, fair cut 8674-8600' 6-4-6 180-270-200 TR blk oil, 10% fluor, wk cut
9/21/92	8692-8696' 6.5-5-6 200-500-160 TR blk oil, 10% fluor, wk cut 9030' Drlg 280'/23 hrs. Drlg, RS, drlg, svy: 2 deg @ 8968'. GR, 70% SH, 30%LS, BGG 300 U, CG 500 U, DTG 1700 U. MW 9.1, VIS 33, WL 32, PV 8, YP 5, TR OIL, 0% LCM, 3.2% SOL, PH 1.1/2.9, CL 8500, CA 20, GELS 2, 10" 4, CAKE 2. CC: \$557,121. DRLG BREAKS MPF GAS UNITS 8756-8764' 5-2.5-5 180-600-200 TR blk oil, 10% fluor, fair cut 828-8856' 5.5-3-5.5 250-600-300 TR blk oil, 40% fluor, fair cut 8918-8932' 5.5-5-5.5 300-500-350 TR blk oil, 30% fluor, fair cut
9/22/92	8962-8970' 5-4.5-5.5 350-650-350 TR blk oil, 30% fluor, fair cut 9204' Drlg 174'/15 hrs. Drlg, RS, TFNB. W&R 40' to btm. Drlg, GR, 60% SH, 30% LS, 10% SS, BGG 50 U, CG 200 U, TG 3200 U. Svy: 2 deg @ 9120'. MW 9.1, VIS 33, WL 36, PV 8, YP 5, TR OIL, 3.4% SOL, PH 10.5, ALK 1.1/2.8, CL 8500, CA 60, GELS 2, 10" 5, CAKE 2. CC: \$577,866. DRLG BREAK MPF GAS UNITS 5-3-4 300-650-440 30% fluor, fair cut, trace of oil
9/23/92	9427' Drlg 223'/23.5 hrs. Drlg, RS. Green River, 70% SH, 30% LS, BGG 4200 U, CG 1000 U. MW 9.6, VIS 36, WL 36, PV 10, YP 6, TR OIL, 6% SOL, PH 10.5, ALK .7/2.1, CL 9000, CA 40, GELS 1, 10" 4, CAKE 2. CC: \$585,142. DRLG BREAKS 9210-9220' 6-4-7 100-200-100 30% fluor, wk cut, TR oil 9254-9264' 7.5-5/6.5 50-150-50 20% fluor, wk cut, no oil 9288-9300' 6.5-2.5-6 50-250-50 10% fluor, wk cut, no oil 9324-9328' 5.5-3-11.5 50-3000-800 30% fluor, wk cut, TR oil 9384-9408' 6.5-4-5.5 500-4500-45 40% fluor, fair cut, fair oil show
9/24/92	9670' Drlg 243'/23.5 hrs. Drlg, RS, drlg in GR, 80% SH, 20% SS, BGG 200 U, CG 800 U, no shows. MW 10.1, VIS 35, WL 32, PV 5, YP 25, TR 0IL, 8% SOL, PH 10, ALK .4/1.9, CL 8000, CA 12, GELS 5, 10" 10, CAKE 2. CC: \$594,319.

9/26/92 9950' TIH. 44'/5 hrs. Drlg, C&C, ST 20 stds. C&C for logs. POH SLM, no corr. RU Schlumberger. Ran DLL, BHC Sonic, Cal and GR. Logger's TD 9929', max temp 170°F. TIH. Green River, 80% SH, 20% LS, BGG 200 U, STG 5000 U, CG 2500 U. Svy: 1-1/2 deg @ 9905'. MW 10.4, VIS 42, WL 23.5, PV 10, YP 22, TR OIL, 11% SOL, PH 10.5, ALK .6/2.4, CL 8000, CA 28, GELS 12, 10" 18, CAKE 2. CC: \$629,866.

5.5-5-6 6-4-6.5

9716-9730° 9866-9880°

9906' Drlg 236'/23.5 hrs. Drlg, RS. Green River, 90% SH, 10% SS, BGG 1200 U, CG 3200 U. MW 10.2, VIS 35, WL 24, PV 8, YP 7, 9% SOL, PH 11, ALK .6/2.0, CL 8000, CA 32, GELS 2, 10" 4, CAKE 2. CC: \$604,562.

DRLG BREAKS MFF GAS UNITS

200-600-250 TR fluor, wk cut, TR oil 200-3700-1200 30% fluor, fair cut, fair incr in oil

PAGE 2

COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

- 9/11/92 5625' Drlg 373'/15 hrs. Drlg, RS. Load hole w/wtr. TFNB, drop svy: 2-1/2 deg @ 5490'. TIH, W&R 5410-5520'. Drlg w/aerated wtr. MW 8.4, VIS 27, PH 10, ALK .1/1.5, CL 5900, CA 550, 2100 CFM AIR. CC: 440,424.
- 9/12/92 6530' Drlg 905'/22 hrs. Drlg, RS, chk BOP. Drlg, svys: 2-1/2 deg @ 5983'; 2-3/4 deg @ 6495'. Green River, 70% SH, 20% LS, 10% SS, BGG 10 U, CG 30 U. MW 8.4, VIS 27, PH 10.5, ALK .1/.15, CL 6000, CA 720, 1800 CFM. CC: \$462,184.
- 9/14/92
 7465' TOH w/bit 360'/22 hrs. Drlg, RS. Wireline svy, drlg, drop svy, TOH w/bit. GR FM, 60% SH, 20% LS, 20% SDST, BGG 3500, CG 4000 U. MW 8.4, VIS 27, PH 9.5, ALK 1.5/5.0, CL 9500, CA 140. CC: \$480,433.

 DRLG BREAKS MPF GAS UNITS
 7076-86' 4-2-3 500-2700-1500 Fr amt blk oil, 60% fluor, fair cut

4-2-3 500-2700-1500 7076-86' Fr amt blk oil, 60% fluor, fair cut 1500-2000-1700 1700-2200-2000 Slt inc blk oil, 60% fluor, fair cut Slt incr blk oil, 60% fluor, fair cut 7110-18' 4-3-3.5 7140-50' 5-3-4 1700-2200-2000 Slt incr blk oil, 50% fluor, fair cut 7248-58' 3.5-2-4 4.5-1.5-3 7276-302' 2000-2300-2000 Slt incr blk oil, 50% fluor, fair cut 2400-3800-2300 Sit incr blk oil, 50% fluor, fair cut 2300-3000-320 Blk oil, 50% fluor 1600-2100-1500 No incr in oil, 50% fluor, fair cut 7324-38' 3.5-1-2.5 3.5-2-3 7356-68' 6-2-4 7390-408'

- 9/15/92
 7580' Drlg 115'/8 hrs. TIH, well flwg. Circ out gas. Spot 100 bbl pill 9.6#/gal mud on btm. Well still flwg. C&C, wt up to 9.8#/gal. Kill well, TOH, chg bit and SS. TIH, cut drlg line. TIH, W&R 22' to btm, no fill. Drlg, GR, 70% SH, 20% LS, 10% SS, BGG 15 U, CG 50 U, TG 1500 U. Drlg brk from 7402-7414', MPF 3.5-3-7, gas units 1500-3800-3800, SL incr blk oil, TR fluor, wk cut. Svy: 1-3/4 deg @ 7465'. MW 9.8, VIS 31, WL 17.6, PV 8, YP 4, 0% OIL, 0% LCM, 3.3% SOL, PH 10, ALK .7/2.3, CL 5000, CA 40, GELS 1, 10" 3, CAKE 2. CC: \$494,404.
- 9/16/92

 7785' TOH for pressure loss. 205'/22 hrs. Drlg, RS. Lost 600 psi. Pump flag, check surf equip, TOH. 80% SH, 10% LS, 10% SS, BGG 20 U, CG 40 U. MW 9.4, VIS 32, WL 19.2, PV 6, YP 3, 0% OIL, 0% LCM, 3.2% SOL, PH 10, ALK 1.8/4.4, CL 7500, CA 60, GELS 0, 10" 1, CAKE 2. CC: \$510,521.

 DRLG BREAKS MPF GAS UNITS
 7630-7636' 4-6-5 15-50-15 TR blk oil, 60% fluor, fair cut 7720-7724' 7-4-7 15-40-15 TR blk oil, 50% fluor, fair cut 7748-7752' 7-2.5-8.5 15-40-15 TR blk oil, 70% fluor, fair cut
- 9/17/92
 7938' Drlg 153'/13 hrs. TOH for press loss. Found hole crack in slip area 49 stds and single out. TOH w/BHA and Magnaflux BHA. LD 7 cracked DC's and jars. TIH w/bit and PU 4 DC's and jars. W&R 60' to btm, no fill. Drlg. GR FM, 70% SH, 30% LS, BGG 75 U, CG 200 U, TG 6100 U. Show #15 from 7840-7856', MPF 5.5-3-5, gas units 60-160-120, TR blk oil, 40% FL and fair cut. MW 9.3, VIS 33, WL 21.4, PV 7, YP 3, 3.2% SOL, PH 10.5, ALK 1.8/5.4, CL 8000, cA 40, GELS 1, 10" 2, CAKE 2. CC: \$524,360.
- 8203' Drlg 265'/22.5 hrs. Drlg, RS, svy: 3 deg @ 7962'. GR FM, 70% SH, 30% LS, BGG 350 U, CG 500 U. MW 9.1, VIS 33, WL 26, PV 6, YP 3, 3.2% SOL, PH 11, ALK 1.1/2.6, CL 8000, CA 600, GELS 1, 10" 3, CAKE 2. CC: \$532,173. 9/18/92 GAS UNITS 70-200-100 DRLG_BREAKS MPE 6-3.5-5 7964-7982' Fair blk oil, 40% fluor, fair cut 8016-8034' 5-4-5 140-2700-340 Fair blk oil, 50% fluor, fair cut 7-4-8 780-340-280 TR blk oil, 50% fluor, fair cut 8110-8138' 280-360-280 TR blk oil, 40% fluor, fair cut 8144-8166' 7-5-7

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH PARKER #233/UNIBAR

WI: 62.108% (ANR) AFE: 64269 ATD: 12,400' (WASATCH) SD: 8/31/92 CSG: 13-3/8" @ 219'; 9-5/8" @ 4000' 7" @ 9950'

DHC(M\$): 1,426.0

195' GL WORT. MI RU Bill Jr's Rathole rig on 6/10/92 and drill 18" hole to 195'. Run 5 jts 13-3/8" 54# J-55 ST&C csg (tally 226'). Cmt w/Halliburton by pmpg 235 sx Cl G cmt w/3% CaCl₂ and 1/4#/sx Flocele. Displace and 270 circ 4 6/18/92 bbls cmt to surf. Finish drlg rat and mouse hole for rig. CC: \$26,370.

8/31/92 MIRU Parker #233. Expect to spud late p.m., 8/31/92.

920' Drlg w/air mist. 701'/10 hrs. RURT, Parker #233. Spud @ 4:00 p.m., 8/31/92. RU rot hd. Drlg, chg rot hd rbr. Drlg w/air mist. Air 2100 CFM, wtr 13 GPM. Svy: 1-1/4 deg @ 500'. CC: \$122,184. 9/1/92

1775' Drlg 855'/22.5 hrs. Drlg, wtr flow at 1044'. RS, drlg, svys: 1/2 deg @ 1044'; 1-1/4 deg @ 1506'. MW 8.4, VIS 27, PH 9, ALK .05/.4, CL 400, CA 36. 9/2/92 CC: \$138,450.

2475' Drlg 700'/18.5 hrs. Drlg, RS. TFNB. PU 6 - $8\frac{1}{2}$ " DC's. W&R 60' to btm. Drlg. Svy: 1 deg @ 1933'. Well flowing 1500-2000 bbls/day. MW 8.4, 9/3/92 VIS 27, PH 9, ALK .01/.02, CL 5100, CA 340. CC: \$159,167.

3245' Drlg 770'/19.5 hrs. Drlg, RS. Svys: 1-1/4 deg @ 2548'; 1/2 deg @ 3070'. Drlg w/wtr, MW 8.4, VIS 27, PH 9.5, ALK .01/.02, CL 5200, CA 492. CC: 9/4/92 \$168,376.

3878' Drlg 633'/23 hrs. Drlg, RS, svy: 3/4 deg @ 3518'. Drlg w/wtr. MW 8.4, VIS 27, PH 9.5, ALK .01/.02, CL 6100, CA 648. CC: \$179,166. 9/5/92

4000' TOH for 9-5/8" csg. 122'/5.5 hrs. Drlg, RS. Circ and mud up to 12.4 PPG to kill wtr flow. Short trip 20 stds, C&C. POH. MW 12.4, VIS 39, WL 12.8, PV 15, YP 10, 14% SOL, PH 10, ALK .1/.4, CL 4800, CA 160, GELS 5, 10" 9/6/92 8, CAKE 2. CC: \$200,712.

4000' WOC. POH, SLM 4001'. LD 8-1/2" DC's. RU csg crew. Ra 94 jts 9-5/8", 52 jts CF-95 40# LT&C, 2111.64', XO jt CF-95, 40#, LT&C X Buttress 42.71'; 41 jts N-80, 36#/ft, buttress, 1854.49'. Total 4014'. RU Howco. C&C, incr MW to 12.6 PPG. Cmt 20 bbls Super Flush, 20 bbls FW, 1360 sx Howco Lite w/10#/sx Gilsonite, 2#/sx Capseal and 1/4#/sx Flocele. 12.7 PPG yield, 1.81 cu ft/sx. Tail w/300 sx AG w/2% CaCl₂ and 1/4#/sx Flocele, 15.6 PPG, yield 1.18 cu ft/sx. Displace w/301 bbls wtr. Bump plug. Floats held. Good returns. 3 bbls cmt to surf. Plug in at 7:25 p.m., 9/6/92. Wtr flowed top of cmt out of hole, approx 40 bbls. Cut off conductor. Weld plate, SI well. RU Howco. Cmt dn backside of 9-5/8" csg w/210 sx AG w/3% CaCl₂, 15.6 PPG, yield 1.18 cu ft/sx. WOC. MW 12.5, VIS 40, WL 15.2, PV 14, YP 9, 14% SOL, PH 10, ALK .2/.5, CL 5000, CA 140, GELS 2, 10" 4, CAKE 2. CC: \$382,211. 9/7/92

4000' Drill float collar. WOC. Cut off 9-5/8" csg and weld on wellhead. NU BOP. Press test BOP to 5000#, hydril to 2500#. PU BHA and TIH. Drlg cmt from 3944' to float at 3969'. MW 8.4, VIS 27, PH 9, ALK .02/.06, CL 6300, CA 9/8/92 640. CC: \$402,017.

4563' TIH w/unplugged bit. 563'/12 hrs. Press test csg to 1500 psi/15 min., OK. Drill cmt and shoe. Drill w/air mist. TOH for string float. WL svy: 1 deg @ 4515'. Attempt to unplug plugged bit. TOH w/plugged bit, unplug shock sub and bit. TOH w/bit. Drlg w/air mist. Air 2600 CFM. CC: \$419,725. 9/9/92

5252' Drlg $689^{\circ}/19\frac{1}{2}$ hrs. Finish TIH w/bit. W&R 120' to btm, 20' of fill. Drlg w/aerated wtr. Svy: 1-1/2 deg @ 5035'. MW 8.4, VIS 27, PH 9.5, ALK 0.02/0.04, CL 6100, CA 520, AIR 2100 CFM. CC: \$428,740. 9/10/92

STATE OF UTAH

7. Indian Allottee or Tribe Name N/A a. Unit or Communitization Agreement N/A 9. Well Name and Number Matthews #2-13B2
9. Well Name and Number
10. API Well Number 43-013-31357 11. Field and Pool, or Wildest
573-4476 Bluebell County: Duchesne
State : UTAH OTICE: REPORT, OR OTHER DATA SUBSEQUENT REPORT (Submit Original Form Only) Imment ' New Construction Repair Pull or Alter Casing of Plans Shoot or Acidize on to Injection Vent or Flare Treat Water Shut-Off
Completion Multiple Completions and Recompletions to different reservoirs PLETION OR RECOMPLETION AND LOG form. Impanied by a cament verification report. We pertinent dates. If well is directionally drilled, give subsurface

Please see the attached procedure to squeeze off a thief interval, clean out to PBTD, add perforations and acidize the above referenced well.

> APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MILIN DATE:

JAN 1 9 1993

DIVISION OF OIL GAS & MINING

I hereby certify to	hat the toregoing	is true and correct							
me & Signature		KKUM	U M	UU A SA	Title	D = =			
Me Use Only)	9.	ранн <u>т</u> Беу		7		Regulatory	<u>Analyst</u>	Oate	1/13/93

WORKOVER PROCEDURE

Mathews #2-13B2 Bluebell Field Duchesne County, Utah

WELL DATA

Location:

858' FNL & 1098' FWL

Elevation:

5201' GL, 5223' KB

Total Depth:

12.400' PBTD: 12,360'

Casing:

9-5/8" 40# CF-95 LT&C and Buttress @ 4000' 7" 26# CF-95 & N-80 LT&C and Buttress @ 9950' 5" 18# S-95 H521 liner from 9745' to 12,398'

Tubular Data:

<u>Description</u>	ID	<u>Drift</u>	<u>Capacity</u>	<u>Burst</u>	<u>Collapse</u>
			B/F	PSI	PSI
9-5/8" 40# CF-95	8.835"	6.679"	0.0758	6820	4230
7" 26# CF-95	6.267"	6.151"	0.0382	8600	7600
5" 18# S-95	4.276"	4.151"	0.0177	12040	11880
2-7/8" 6.5# N-80	2.441"	2.347"	0.00579	10570	11160

Present Status: Shut in with stuck rods. Last 24 hr production day

December 24, 1992, 58 BO, 111 BW and 46 MCF.

PROCEDURE

- RU BOPE. Strip out rods and stand back tbg.
- PU & RIH w/3-1/8" mill and CO tools. CO 5" liner to PBTD @ \pm 12,360'. POOH.
- 3) RU wireline service company. PU and RIH w/5" 18# CIBP. Set CIBP @ \pm 10,740°.
- 4) RIH w/tbg open ended. Spot 50 sxs cmt from 10,684' to 10,728', 21 total holes. POOH 100' above calc cmt top. Reverse out. Perform Braden head squeeze to 2000 psi of perforations 10,684' to 10,728'. POOH. (Consult w/Denver office and service company for additives to cmt slurry.)
- 5) PU & RIH w/3-1/8" bit. DO cmt across perfs and press test to 2000 psi. Repeat squeeze if necessary. DO CIBP and if necessary push to PBTD.
- RU wireline service company. PU & RIH w/3-1/8" csg gun, 3 SPF, 120° phasing and perforate Wasatch from 10,780' to 12,310', 327 total holes, per the attached perforation schedule.
- 7) PU & RIH w/2 jts 2-7/8" N-80 tbg, Mountain States Arrowset 10K packer, on/off tool and profile nipple, \pm 1100' 2-7/8" N-80 8rd, \pm 9645' 31/2" 9.3# N-80 tbg. Set pkr $0 \pm 10,745$. NOTE: Bottom of stinger should be $0 \pm 10,807$.

Workover Procedure Mathews #2-13B2 Page Two

8) RU Halliburton Service Company. Acidize perforations from 10,758' to 12,326', 666 total holes (327 new, 339 old) w/20,000 gals SWIC acid system and 1000 1.1 BS's, MTP 8500 psi. NOTE: Acid job should be designed to include:

A. All fluid to be heated to 150°F.

B. All water to contain 3% KCl.

C. Precede acid w/250 bbls KCl wtr w/10 gals per 1000 gals scale inhibitor and 200 1.1 BS's evenly spaced.

- D. Acidize in 4 stages of 5000 gals each w/200 1.1 BS's evenly spaced in each stage (800 total BS's in acid) and 3 diverter stages of 1500 gals gelled saltwater w/½ ppg each Benzoic acid flakes and rock salt.
- 9) Flow/swab back acid load. If well flows back strongly, drop plug and release from on/off tool. POOH and LD 3½" tbg. TIH w/2-7/8" tbg and latch onto pkr. Retrieve plug and return to production until pressure drops and artificial lift is required, then proceed to Step 7 (LD rods).
- 10) Release pkr and POOH. PU & RIH w/production equipment and return on line.

SCP:cam

Greater Altamont Field ANR - Matthews #2-13B2 NW/4 Section 13, T2S-R2W Duchesne County, Utah

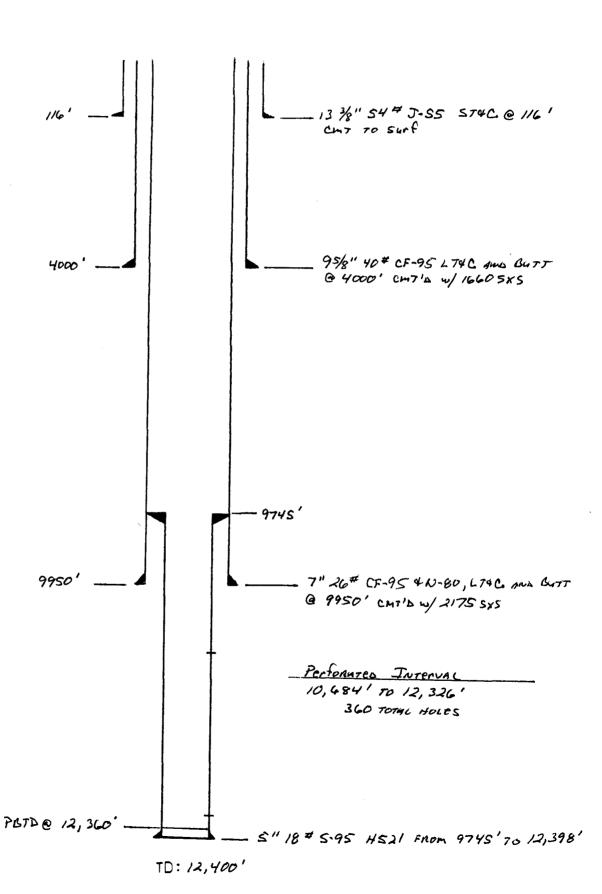
PERFORATION SCHEDULE

Depth Reference: Schlumberger - Dual Laterolog Run #2 (10/17/92)

12310	12126	11902	11543	11341	11063
12305	12084	11893	11528	11326	11056
12283	12078	11881	11517	11321	11040
12273	12060	11873	11508	11317	10992
12264	12047	11859	11494	11308	10988
12228	12040	11843	11477	11302	10984
12224	12033	11825	11463	11297	10976
12218	12025	11821	11457	11291	10961
12214	12018	11798	11452	11271	10954
12209	12014	11794	11435	11258	10934
12201	12004	11783	11426	11153	10930
12191	11997	11767	11390		
12176	·			11143	10873
	11968	11713	11383	11129	10855
12169	11956	11692	11373	11124	10845
12157	11945	11598	11365	11117	10841
12148	11936	11591	11359	11108	10836
12143	11929	11572	11354	11100	10825
12131	11922	11557	11349	11086	10806
					10780

Gross Wasatch Interval 10,780'-12,310' 109 feet, 88 zones

12/15/92



	ĎΤΛ	/ISION	1 OF 01	[L, GA	AS AND	MINING				S 15495 50	710	ION AND BERLAU NO	
										333	PAICHTI	ON JAISSE OUR NO	0.
WELL CO	MPLETIC	D NO	R RECO	OMPL	ETION	REPOR	F-AI	ND. LC	OG_		. ALLO	MAN BEIST SO SETT	ī
IA TYPE OF WE	دما	OIL S	GAS		DAY [Other	100		V 3	N/A			_
L TYPE OF COM		-		_	J		LANCE TO SERVICE SERVI	D HOME CHO	The state of the s	N/A	EEMENT	NAME	_
WELL X	OVER	EN [BACK		RESYR.	Other	FF	95	1603 -	S. FARM OR	LEASE	NAME	-
ANR Produ		many							773	Matthew			_
3. ADDRESS OF OPE	BATOR						DIV	ISION () -	9. WELL NO. 2-13B2			_
P. O. Box	749	Denve	er, CO	8020	01-074	9 O F	10 6)A	5231	NARO	10. FIELD 43	D POOL	. OR WILDCAT	-
4. LOCATION OF WE	358' FNL	& 109	8' FWI	· CNW	INTU)	any State req	BIFFME	M(a)		Bluebe1			
At top prod. in:				, ,						OR AREA	A., M., O.	B SLOCK THO EGSAS.	ř
At total depth			San	ne as	above	•							
	Same as	above	·	14.	API NO.			13AUED		Section	13.	T2S-R2W	_
		_				_31357		5/11/9:	2	Duchesr		Utah	•
15. DATE SPUBDED	16. DATE T.D.			TE COMP	L. (Ready					GR		ET. CASINGWEAD	
6/10/92 20. TOTAL DEPTE. NO	10/17		12/ K T.D., MD	22/92	:	A AML)							
<u>12,400'</u>		12.3	53 '	1	HOW	MANT			ILLED ST	SFC-TD	.s	CASES TOOLS	
24. PRODUCING INTER	VAL(I), OF TE	IS COMPL	ot—wolta.	P. BOTTO	M. NAME	(MB TAD IAD	,				25.	WAS DERECTIONAL	
			10.6	0/.1 7	2 276	1 /T.T	_1_1					SOFK LEARNS	
28. TIPE ELECTRIC A			111-12	-93	-2,3/6	' (Wasat						No	
	DG; DLTE	; CBL	MUND !		12-14	92	DRILL ST	TEM TEST	res□ woj <u>ę</u> Yes□ woj <u>ę</u>	(Subme maigrie)			
CASING SIZE	WEIGHT, LA	./57.	CAS DEPTE 3	ING REC		port all strin OLE SIZE	ga set i	n well)					
13-3/8 ^m	54#			5' GL		18 ^m	123	5 sx (HENTING	RECORD		None	
9-5/8"	40# 3	6#	40	00'		2-1/4"				• AG (210	SX /	G - backsio	de of
711	06" 0		00	FOIL		0.0771				9-5/	8")	None	ac oa
3.	1 36#, 20	LINER	RECORD	50°°	_!	8-3/4"	<u> 121</u>	75 sx 30.		alite & C		None	
BIZE	TOP (MD)	BOTTO) (МВ)	SACES	CEMENT	SCREEM (:	(0)	3122		UBING RECOR		ACER SET (NO)	
	9740 '	12	398	25	0 sx			2-7/		9725	+	N/A	
I. PERFORATION RECO	EB (ÍRCCTUGI, C	-	number)	Perf'	٠	32,		7D 6110=					
w/3-1/8" cs 12,376-11,98		SPF:				DEPTH IN	TERTAL	(MD)		RE CEMENT			
11,980-11,55	6' 2	4 Fee 4		2 Hol	.e <i>s</i>	10,684	-12	376'				& ADD & 50	אר אכ
11.537-11.2/	1 7	4	7	2									טע טע
11,229-10,99 10,976-10,68		4		2				,					
I. TE FIRST PRODUCTION	otal 12		t 36	0 Hol	es Pro	DUCTION							
10/28/92				umpir		34" Pump		pe of pum	7)	NAME-G	n }	roducing or	
į.	EQUES TESTED	CEC	OEE SIZE	PROD'	N. FOR	olt—eer)	GAS-NC	7.	FATER—CRL.		ucing	
12/22/92	24		N/A	<u> </u>	>	83		132		120		1590	
N/A	N/A		CULATED EOUR BATE	,		GAS-			WATER-	BL. 01	L GRAVI	TT-API (CORE.)	
. DISPOSITION OF CAS	(Sold, used /or	r juei, ver	nted, etc.)		83		32		12	TEST WITHESE	0.55	42.2	
. LIST OF ATTACEME	 			So1	d					M. Boza			
OF AITACMME										LATE DUZZ	ı ul		
	<i>uu</i> Ch:	rona/ (orical	Hist	orv								
. I hereoy certify the	to the toregon	28 2/19 21	Cacaed Iqu	957544105	AS COMP	ete and corre	CE 84 4	ietermin-	from ell	aggilable			
SIGNED	Melle M		Cacaed 104	[] [][]	,	Regulate				ATAIIADIQ reco		/00	

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments. pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well show the details of any multiple stage cementing and the location of

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above). the cementing tool.

37. SUMMARY OF POROUS ZONES: Show all important zone and all drill-stem test time tool open, flowing formation Top	nportant zones 1 - stem tests, pen, flowing	of porosity a including de and shut-in pr	and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries, ormation Top Bottom Description, contents, etc.	Name Name Upper Gr. River	Heas, Depth Ing. 6125' 8595'	Top True Yert.Depth
		,		Wasatch	10,010,	10,010'

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (INSTALL SURFACE FACILITIES) ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH WI: 62.108% (ANR) AFE: 64270

- 12/12/92 Pmpd 27 BO, 48 BW, 7 MCF/17 hr.
- 12/13/92 Pmpd 0 BO, 21 BW, 3 MCF/24 hr.
- 12/14/92 Swabbed well. Well not pmpg decide to RU and check out well. Hang off rods. Move back Rotaflex. RU rig. PU pump was seated, get double tag. Try to long stroke won't pump. Pull pump off seat. Flush w/50 bbls prod wtr. Seat pump, fill tbg w/5 bbls prod wtr. PT to 500 psi, hold. Stroke w/rig not much fluid being moved. Pull pump off seat. LD polish rod, subs. POOH w/121 1", 127 7/8", 128 3/4", 7 1". LD pump. RU to swab. Can't get down first 2 runs. Make 5 swab runs, rec 32 bbls prod wtr, tr oil. FL on last run 3600'. Close tbg in. Leave csg open to treater. DC: \$2,635
- 12/15/92 Swabbing. Tbg dead. RU to swab: Run #1 FL @ 3580', 40% oil. FL gradually dropped to 5500', stabilized w/only a trace of oil in each run in 21 runs. Run #s 22-26, FL 5500' w/oil % rising to 88% on last run. Rec'd 36 BO, & 166 BW. DC: \$2,022 TC: \$302,838
- 12/16/92 Swab. Tbg has 100 psi. Swab: Run #1 FL @ 5300', 100% oil. Run #2 FL @ 5500', 10% oil w/dark brown muddy looking wtr. Cont swbg, FL dropped to 6000'. Get dark brown wtr, $\pm 10\%$ oil to swab #10. (Get wtr analysis test on #2 & #5 swab run.) Oil % continued to climb to $\pm 75\%$ on last 2 runs (wtr was clear on last runs). Swbd 22 runs, FFL 6500'. Total fluid swbd 160 bbls (61 BO, 99 BW). Swbd dirty wtr containing 85% paraffin, 14% FeCO₃ & 1% FeS then wtr cleaned up & now gassy w/71% oil cut.

 DC: \$2,122 TC: \$304,960
- 12/17/92 Well on production. Tbg press 50 psi. RU to swab. Run #1 FL 5500', 100% oil. Run #2 FL 5900', 15% oil, wtr dark brown. Cont to swab, total 10 swab runs. Last run FL 7000', 50% oil, wtr clearer & light green oil. Total swabbed 48 BW, 20 BO. RIH w/Highland 2-1/2" x 1-3/4" x 30' x 34' RHBC 330" stroke, 7 1", 128 3/4", 127 7/8", 121 1" rods. Seat pump, space out. Fill tbg w/28 bbls prod wtr. PT to 800 psi, good. Long stroke w/rig strokes good. RD rig. Pull Rotaflex unit forward. Hang off rods. DC: \$4,137 TC: \$309,097
- 12/17/92 Pmpd 94 BO, 156 BW, 20 MCF/4 hrs.
- 12/18/92 Pmpd 108 BO, 107 BW, 116 MCF/23 hrs. Down 1-hr, electrical.
- 12/19/92 Pmpd 25 BO, 33 BW, 35 MCF/8 hrs. Down 16 hrs electrical.
- 12/20/92 Pmpd 89 BO, 126 BW, 31 MCF/8 hrs. Down 16 hrs electrical.
- 12/21/92 Pmpd 39 BO, 60 BW, 64 MCF/8 hrs. Down 16 hrs electrical.
- 12/22/92 Pmpd 83 BO, 120 BW, 132 MCF.
- 12/23/92 Pmpd 58 BO, 77 BW, 69 MCF.
- 12/24/92 Pmpd 58 BO, 111 BW, 46 MCF.
- 12/25/92 Pmpd 45 BO, 97 BW, 50 MCF/19 hr. Down 5 hr pump failure.
- 12/26/92 Down 24 hr pump failure.
- 12/27/92 Down 24 hr pump failure.
- 12/28/92 Down 24 hr pump failure.
- 12/29/92 Moved on location 12/28/92. Unable to pull stuck rods. Shut well in 12/29/92. Prep AFE for workover. Final report. DC: \$5,139 TC: \$314,236

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (INSTALL SURFACE FACILITIES)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 62.108% (ANR) AFE: 64270

- 11/22/92 Pmpd 103 BO, 84 BW, 41 MCF.
- 11/23/92 Pmpd 124 BO, 148 BW, 31 MCF (gas froze up).
- 11/24/92 Pmpd 70 BO, 108 BW, 56 MCF (gas froze off).
- 11/25/92 Pmpd 103 BO, 75 BW, 86 MCF.
- 11/26/92 Pmpd 68 BO, 68 BW, 116 MCF.
- 11/27/92 Pmpd 63 BO, 72 BW, 126 MCF.
- 11/28/92 Pmpd 50 BO, 71 BW, 126 MCF.
- 11/29/92 Pmpd 59 BO, 65 BW, 112 MCF.
- 11/30/92 Pmpd 64 BO, 67 BW, 114 MCF.
- 12/1/92 Pmpd 48 BO, 63 BW, 111 MCF.
- 12/2/92 Pmpd 41 BO, 62 BW, 88 MCF.
- 12/3/92 Pmpd 41 BO, 49 BW, 81 MCF.
- 12/4/92 Pmpd 23 BO, 35 BW, 63 MCF, 4.5 SPM.
- 12/5/92 Pmpd 16 BO, 20 BW, 45 MCF, 4.5 SPM. Ran Production Log.
- 12/6/92 Pmpd 45 BO, 35 BW, 45 MCF, 4.5 SPM.
- 12/7/92 Pmpd 20 BO, 24 BW, 31 MCF, 4.9 SPM. Plan to MI rig & change out bottomhole pumping assembly.
- 12/8/92 LD 2-1/16" tbg. RU rig. Flush rods w/60 bbls prod wtr. LD polish rod, subs. POOH w/120 1", 126 7/8", 128 3/4", 7 1". LD pump. RD pump tee. Change equip to 2-1/16". Install 4' spacer spool, BOP's. RU floor. DC: \$4,240 TC: \$278,454
- 12/9/92 POOH w/2-7/8" tbg. LD 306 jts 2-1/16" FS-150, XO J-slot stinger. PU on tbg, rls 7" anchor. POOH w/110 jts 2-7/8". DC: \$2,806 TC: \$281,260
- 12/10/92 RIH w/3" OD skirted OS to fish logging tools. Continue to POOH w/2-7/8" tbg. PLS logging tool was not in Y-tool. Remove dual string tbg head. Install single string tbg head assembly. RU PLS to fish tools. Try to latch onto fish on two separate runs. Did not get fish (TOF @ 12,312'). Fish: 1-3/8" OD x 15' long. DC: \$3,411 TC: \$284,671
- 12/11/92 RIH w/rods prod. RU PLS. RIH w/3" skirt on & fishing tool. Work over fish @ 12,312'. POOH w/fish. RD PLS. RIH with 5-3/4" OD No-Go w/2-7/8" plug on btm, 4-1/2" N-80 PBGA, 4' 2-7/8" sub, SN, 7 jts 2-7/8", 7" Mtn States R-2 anchor catcher w/carbide slips, 294 jts 2-7/8" 8rd w/beveled collars. Set anchor @ 9468' w/19,000# tension, SN @ 9685', 5-3/4" No-Go @ 9725', 15' off 5" lnr. DC: \$8,136 TC: \$292,807
- 12/12/92 Well on production. RIH w/Highland 2-1/2" x 1-3/4" x 34' RHBC 325" stroke, 7 1" w/guides, 122 3/4" slick, PU 6 3/4" w/guides, 127 7/8", 120 1". Space out. Seat pump. PT to 500 psi. Hook up flowline. Turn well over to pumper @ 2:00 p.m. DC: \$5,374 TC: \$298,181

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (INSTALL SURFACE FACILITIES) ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH WI: 62.108% (ANR) AFE: 64270

- 11/10/92 Pmpd 0 BO, 0 BW, 0 MCF/14 hrs. Check for gas lock.
- 11/11/92 POOH w/rods & pump. MIRU. Unseat pump, flush rods. DC: \$2,345 TC: \$250,084
- 11/12/92 Well's not pumping. POOH w/rods, etc. LD old pump. Bleed press off 2-1/16" sidestring. Install WKM dual seal flange & packoff and PT. Put WH back together. RU swab equip. Made 5 swab runs. FL @ 2200' 1st run, FL @ 3200' 5th run. Rec'd 55 BF, clean wtr. RD swab equip. PU test pump (Highland 1-3/4" HP 1032). RIH as follows: pump, 7 x 1" w/guides, 128 x 3/4" slick, 126 x 7/8" slick, 121 x 1" slick, 1 4', 2 2' x 1" subs, polish rod. Seat pump. Fill tbg w/12 BF. PT 1000#. Stroke pump w/rig. Good action. Help move Rotaflex into position. DC: \$4,970 TC: \$255,054
- 11/12/92 Pmpd 0 BO, 0 BW, 0 MCF/14 hrs.
- 11/13/92 RU & pull tbg. Move Rotaflex out of way. Long stroke pump w/rig. Pump down 2-1/16" tbg. Unseat pump. Flush rods. Re-seat pump. Stroke w/rig. Not pmpg correctly. Unseat pump. POOH. LD pump. DC: \$3,015 TC: \$258,069
- 11/14/92 Cont POOH w/2-7/8" tbg, etc. Bleed press off well. Remove flowline WH equip. PU on 2-1/16" tbg. Rls out of Y-tool. Start POOH w/2-1/16" tbg. Break off J-assembly. PU on 2-7/8" tbg. Pull 10 stds. DC: \$3,245 TC: \$261,314
- 11/15/92 Finish RIH w/2-7/8" tbg. Well bled down & tbg flushed. Cont POOH. LD. Chng around BHA, 7" AC sheared. RIH as follows: 7" Mtn States AC, 4' tbg sub, Mtn States Y-tool, XO, 4' tbg sub, steel tbg plug, perf'd jt 2-7/8" tbg, +45 SN, 2-7/8" N-80 8rd tbg. CWIFN w/234 of 304 jts tbg in hole. DC: \$2,765 TC: \$264,079
- Bled down. Cont RIH w/2-7/8" tbg. Set 7" AC @ 9697'. Land tbg w/18,000# tension on tbg. Made up J-tool & seal assembly. RIH w/2-1/16" tbg, J-stinger, XO, 306 jts 2-1/16" FS-150 tbg, XO, hanger. Latch into Y-tool @ 9676'. Land 2-1/16" tbg w/6000# tension. RIH w/1-3/8" tools thru Y-tool. POOH. Install & test dual pack-off flange. Install valves. DC: \$4,520 TC: \$268,599
- Place well on rod pump prod. PU test new pump (Highland 1-3/4" 34') oversized stand valve. RIH as follows: pump, 7 x 1" w/guides, 128 x 3/4" slick, 126 x 7/8" slick, 120 x 1" slick, 1 4', 2 2' x 1" subs, polish rod. Space out, seat pump. Fill tbg w/10 BW. PT 1000#, held. Stroke w/rig, good pUmp action. Clamp off rods. LD rig. Move Rotaflex into position. Hang off rods. Start well pumping. DC: \$5,615 TC: \$274,214
- 11/17/92 Pmpd 126 BO, 170 BW, 27 MCF/15 hrs.
- 11/18/92 Pmpd 127 BO, 131 BW, 54 MCF.
- 11/19/92 Pmpd 97 BO, 98 BW, 65 MCF.
- 11/20/92 Pmpd 101 BO, 98 BW, 61 MCF.
- 11/21/92 Pmpd 115 BO, 92 BW, 66 MCF.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (INSTALL SURFACE FACILITIES) ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 62.108% (ANR) AFE: 64270 TD: 12,400' (WASATCH) PBTD: 12,327' CSG: 5" @ 9,718'-12,399'

Perfs: 10,684'-12,326' (Wasatch)

CWC(M\$): 313.6

- POOH w/seal assembly. Well made no fluid overnight. RU to swab. Run #1: FL 600'-2400', 100% oil, 8 bbls. Run #2: FL 1400'-3000', 60% oil, 8 bbls. Total 16 bbls (13 BO). Decide to run rods. RD swab equip. Remove tree, add 4' 2-7/8" sub. Well blew in bleed off. Install BOP's. RU floor. PU on tbg, well blew in. RU pump lines. Pump 50 bbls prod wtr down tbg, press to 1500 psi. R1s out of pkr. LD 1-jt 2-7/8", LD subs 10', 8' and 4'. POOH with 290 jts 2-7/8". Changing out 2-7/8" collars on each stand that is broken to 2-7/8" beyeled. CWI-SDFN. 11/2/92 to 2-7/8" beveled. CWI-SDFN. DC: \$10,145 TC: \$10,145
- POOH w/milled pkr. Bleed off well, 100 psi. POOH w/rest of 2-7/8" 11/3/92 (32 jts), changing collars, seal assembly. RIH w/Mtn States 5" pkr plucker, 4' sub, 324 jts 2-7/8". RU swivel, strip head. Drill on 5" pkr pmpg down tbg, est circ after 120 bbls pmpd. DO pkr, keeps hanging up on csg collar, work free. LD swivel, strip head. LD 15 jts 2-7/8". POOH w/52 jts 2-7/8" changing collars to beveled. DC: \$5,371 TC: \$15,516
- RIH w/2-7/8" prod. Bleed off well press, 100 psi. POOH w/2-7/8" tbg (257 jts) changing out 2-7/8" collars to beveled. LD pkr plucker, milled up pkr. RIH w/7" B-2 BP, 100 jts 2-7/8". Set BP @ 3170'. Circ well clean 100 bbls. POOH w/97 jts 2-7/8". Circ well on last stand. POOH. RD floor, remove BOP's, tbg spool assembly. Install WKM dual string tbg head. Test to 3500 psi. RU ROP's floor RIH w/100 its 2-7/8". Latch onto RBP. Pelease 11/4/92 BOP's, floor. RIH w/100 jts 2-7/8". Latch onto RBP. Release. Let equalize. POOH w/tbg. LD BP. CWI-SDFN. DC: \$15,248 TC: \$30,764
- RIH with 2-1/16". Bleed off well 100 psi. RIH w/Mtn States 7" B-2 anchor catcher w/50,000# shear, 4' 2-7/8" sub, 2-7/8" perf jt, Mtn States Y-tool, XO, 4' 2-7/8" sub, 2-7/8" SN, 305 jts 2-7/8". RD floor, BOP's. Set 7" anchor @ 9723', SN @ 9661', top of Y-tool @ 9666', EOT @ 9725', 5" liner @ 9745' tbg measurement. Land tbg w/18,000# tension. Install BOP's. RU floor, change equip BOP's to 2-1/16". PU it slot stinger XO 228 its 2-1/16" FS-150 tallwing 11/5/92 2-1/16". PU jt slot stinger, XO, 228 jts 2-1/16" FS-150 tallying. DC: \$4,429 TC: \$35,193
- RIH w/1" rods. Bleed off well. Cont to PU 2-1/16" FS-150. Pt total 305 jts. Sting into Y-tool. Space out, add subs 10', 8', 11/6/92 6', 4'. RD floor, remove BOP's. Latch into Y-tool and land w/6000# tension. Flush 2-1/16" w/30 bbls prod wtr. RU Delso, drift 2-1/16" w/20' 1-3/8" bars, 5' 1-1/4" spangs to 9845' (100' past 5" liner). POOH. RD Delsco. Remove 2-7/8" BPV, pump 50 bbls prod wtr down tbg. PU Highland 2-1/2 x 1-3/4" x 30' x 34' RHBC 330" stroke, 7 - 1" w/guides, 128 - 3/4", 126 - 7/8", 70 - 1". DC: \$7,311 TC: \$42,504
- Well on production. Bleed off well. Cont to PU 1" rods (total 121). Space out, add subs: 2 2', 1 4'. PU polish rod. Space out. Clamp off polish. Fill tbg w/12 bbls prod wtr. Stroke w/rig. PT to 500 psi, good. Add 4' sfc sub to 2-1/16" side. Spray off WH. RD rig. RD pump lines. Load out equip. Clean location. SDFN, turn well over to pmpr. 11/7/92 DC: \$42,967 TC: \$85,471
- 11/9/92 Erecting Rotaflex BPU and installing electricity. DC: \$162.268 TC: \$247,739

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH

WI: 62.108% (ANR) AFE: 64269

10/28/92 Well flwg. Check press - 900 psi. Bleed off, well started flwg. Flow 10 bbls to tank. Well will die & kick. Close well in. Wait to acidize. RU Smith to acidize well. Acidize well w/10,800 gal 15% HCl w/additives & 350,000 CF nitrogen, 4-stages 2700 gal acid, 3-stages 1000 gal diverter & 500 - 1.1 grav ball sealers. Max rate 18 BPM, avg rate 12 BPM, max press 9600 psi, avg press 9500 psi. ISIP 5620 psi, 5 min 4600 psi, 10 min 4220 psi, 15 min 3900 psi. 436 BLWTBR. Excellent diversion. RD Smith. RU to flow well to pit. Open well - 2200 psi. Flow well to pit until oil returns. Flow well to frac tank. Make 25 bbls oil wtr, pH 1. Turn well over to pmpr 5:30 p.m.
DC: \$36,387 TC: \$1.510,817

10/28/92 Flwg 37 BO, 100 BLW, FTP 50# on 48/64" chk, slugging.

10/29/92 Check well - prep to run production log. Well was only flwg 4 bbls/hr. RU to swab well. Run #1 - FL @ 600', 55% oil. Run #23 - FL @ 4200'. Total 182 BF swabbed (93 BO, 89 BW). SDFN @ 5:00 p.m. DC: \$4,555 TC: \$1,515,372

10/30/92 Swab well. Well flwd 12 BO overnight. RU to swab. Made 7 swab runs. Run 1 - FL @ sfc, 90% oil. Run 7 - FL @ 3100', 72% oil. Swab 60 bbls total, 35.5 BO. RU Production Logging Service to log well. Log well - find thief zone in top perfs 10,728'-10,684'. Wtr entry @ 11,289'-11,295'; 11,195'-11,229'; 11,177'-11,162'. Run Press Log. POOH. Turn well over to pmprs. Leave well open to flow.

DC: \$2,161 TC: \$1,517,533

10/31/92 Cont to swab. Well was left open overnight. Did not make any fluid. RU to swab. FL on first swab run @ 615'. Last swab run FL @ 4100'. Made 29 swab runs. Swab 158 bbls fluid, avg 5.4 bbls per run w/3 swab runs made. Well started to flow. Flwd for 1.5 hrs - 40 bbls. Total fluid rec'd today 198 bbls, 103.4 BO, 94.6 BW, avg 52% oil, 48% wtr. Lots of gas. Leave well open for pmpr to watch. SDFN @ 5:00 p.m.
DC: \$2,124 TC: \$1,519,657

11/1/92 Swab. Well was left open overnight. Did not make any fluid. RU to swab. First run - fluid @ sfc. Last run FL @ 5300'. Made 30 swab runs. Swab 167 bbls fluid w/lots of gas, oil 88.5 bbls = 53% wtr, 78.5 bbls = 47%. Leave well open to frac tank for pmpr to watch. SDFN @ 5:00 p.m.
DC: \$2,104 TC: \$1,521,761

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 62.108% (ANR) AFE: 64269 TD: 12,400' (WASATCH) PBTD: 12,327' CSG: 5" @ 9,718'-12,399'

Perfs: 10,684'-12,326' (Wasatch)

CWC(M\$): 1,716.0

10/21/92 RDRT.

TC: \$1,355,667

10/22-23/92 RDRT, plan to MICU Saturday, 10/24/92.

POOH w/2-7/8" tbg. Spot rig in. RU. Spot equip. Unload tbg. RIH w/6-1/8" drag bit, XO, 1-jt 2-7/8", XO, scraper, XO. RIH w/tbg. Circ mud out @ 4200'. RIH. Circ mud out @ 6100'. RIH, 10/24/92 circ mud @ 7400'. RIH. Circ mud @ 8386'. RIH, tagged solid mud @ 9062'. RU drlg equip. Circ mud out. Cleaned out solid mud to 9074' & fell free. RD power swivel. RIH, tagged cmt @ 9513'. RU power swivel. Circ mud out. Cleaned out cmt to 5" LT @ 9745' tbg measurement, circ hole clean. RD drlg equip. POOH w/80 jts 2-7/8" DC: \$5.861 TC: \$1,361,528

POOH, LD 2-3/8" tbg. POOH with 227 jts 2-7/8" tbg, csg scraper and 6-1/8" bit. Changed equip over to 2-3/8". Tally, PU and RIH with 4-1/8" drag bit on 4-1/8" string mill & 87 jts 2-3/8" tbg, XO. RIH w/220 jts 2-7/8". Tag 5" liner. PT to 3000 psi, held. RU drlg 10/25/92 equip. Drill through bushing, dress 5" liner. Circ btms up. RD drlg equip. RIH w/2-7/8", tag cmt @ 12,283'. RU drlg equip. Try to circ - press up, can't. Mud too heavy. RD drlg equip. POOH to 11,291'. Circ out mud. RIH to 12,260'. Circ mud out. RU drlg equip. Drill cmt from 12,283' to FC @ 12,360' tbg measurement. PT csg to 3000 psi held. csg to 3000 psi, held. Displaced hole w/3% KCl wtr. RD drlg equip. POOH w/310 jts 2-7/8" tbg. Changed equip over to 2-3/8". DC: \$7,092 TC: \$1,368,620

10/26/92 Flow testing well. POOH, LD 87 jts 2-3/8" tbg & 4-1/8" string mill & bit. RU OWP. Fill csg, PT csg & lubricator to 3000 psi. RIH w/CBL-GR log. PBTD @ 12,327' WLM, 5" liner @ 9718' WLM. Log from 12,327' to 6500' w/2000 psi on well. POOH. RU to perf, 5 runs.

Run #	<u>Depth</u>	<u>Feet</u>	<u>Holes</u>	<u> PS I</u>
1 2 3 4 5	12,376'-11,987' 11,980'-11,556' 11,537'-11,241' 11,229'-10,993' 10,976'-10,684'	24 24 24 24 24	72 72 72 72 72 <u>72</u>	0 0 0 900 1400

Total 120' 360 holes

RIH w/5" Arrowdrill perm pkr, 2.688 profile w/knockout plug. Set @ 10,200' w/1500 psi on well. RD OWP. Bleed off well. RIH w/seal assembly, 2-7/8" SN & 2-7/8" tbg. Circ hole w/200 bbls 3% KCl wtr. ND BOP. Space out & latch into pkr. Landed tbg on hanger w/8000# tension. NU tree. Tested tree void to 5000 psi, held. Tested csg to 2000 psi, held. RU Delsco. RIH & knock plug out of pkr & run 100' below pkr. Had 1900 psi on well. RD Delsco. Open well to frac tank on 48/48" choke @ 5:30 a.m. Well flwg. TC: \$1,470,463 DC: \$101,843

10/27/92 Prep to acidize. RU swab equip. IFL @ 1500'. Flwg well - 8:30 a.m. Started swbg. Made 16 runs & rec'd 101 bbls (16 BO, 85 BW). Last 4 swab runs from SN @ 10,230'. Hourly runs inflow of 2-3 BPH. FFL @ 9900'. Last run 90% oil cut. CWI-SDFN @ 5:30 p.m. DC: \$3,967 TC: \$1,474,430

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

- 10/16/92

 12,252' Circ hole and prep to TFNB. 85'/11 hrs. Drlg, RS. Circ hole and pump 13.7 ppg pill. TOH w/bit. TIH w/re-run bit and wash 60' to btm (no fill). Drlg, bit pressured up. Circ and cond hole. Wasatch FM, 60% SH, 20% LS, 20% SD, BGG 4000 U, CG 5600 U, TG 6000 U. Lost 150 BM/24 hrs to seepage. MW 13.7, VIS 42, WL 8.8, PV 19, YP 17, 3% 0IL, 20% SOL, PH 11.5, ALK 0.7/2.0, CL 8000, CA 100, GELS 8, 10" 22, CAKE 2. CC: \$1,179,663.

 DRLG BREAKS MPF GAS UNITS

 12176-182' 9-6-7 3000-3600-3200 No FL or cut, TR of oil 12194-200' 8-7-7 3200-3600-3400 No FL or cut, TR of oil 12206-234' 10-6-10 3800-5000-4000 No FL or cut, TR of oil
- 10/17/92

 12,360' Drlg 108'/13.5 hrs. Circ and cond, TFNB. TIH, wash 40' to btm, no fill. Drlg in Wasatch, BGG 2000 U, CG 3600 U, TG 3500 U, 50% SH, 40% SS, 10% LS. Lost 50 bbls mud last 24 hrs. MW 13.7, VIS 38, WL 8, PV 38, YP 15, 2% OIL, 20% SOL, PH 11.5, ALK .6/1.8, CL 7500, CA 60, GELS 5, 10" 18, CAKE 2. CC; \$1,192,251.

 DRLG BREAKS MPF GAS UNITS
 12240-252' 8-4-6.5 4200-4800-4200 No fluor, cut or oil 12340-350' 7-3.5-7 2000-3000-2000 No fluor, cut or oil
- 12,400' Running open hole logs. 40'/5 hrs. Drlg, RS, drlg. Circ and cond. Short trip 30 stds, no fill. C&C, SLM, no corr. Running DLL/SP/GR from 12,380'. BGG 2500 U, CG 3500 U, 70% SH, 20% LS, 10% SS. No mud loss. Drlg break from 12,370-390', MPF 8-6-9, gas units 2000-3000-2400, no fluor, cut or oil. MW 13.7, VIS 38, WL 8, PV 38, YP 15, 2% OIL, 20% SOL, PH 11.5, ALK .6/1.8, CL 7500, CA 60, GELS 5, 10" 18, CAKE 2. CC: \$1,215,589.
- 12,400' TIH w/5" liner on DP. Finish running open hole logs (DLL-SP-GR and Sonic-GR-Cal) from 12,380' (logger's TD) to 9950'. TIH w/BHA. Cut drlg line. Finish TIH and wash 45' to btm (no fill). Circ and cond. TOH w/BHA. LD 4-3/4" DC. Run 68 jts 5" 18# S-95 H521 (tally 2637') w/Baker liner hangar and float equipment (TL 2658.04') w/2 turbolators on first 10 jts, 1 turbolator on each jt thereafter. TIH w/5" liner on DP. BGG 1500 U, TG 3000 U. MW 13.6, VIS 42, WL 7.2, PV 18, YP 19, 2% OIL, 20% SOL, PH 11.5, ALK 0.6/2.0, CL 7500, CA 40, GELS 3, 10" 18, CAKE 2. CC: \$1,284,633.
- 10/20/92

 12,400' RDRT. RU Halliburton and circ hole then hang 5" liner. Pump liner cmt as follows: 250 sx Prem AG 250 cmt w/35% SSA-1, 0.8% CFR-3, 0.4% Halad-24, 0.4% Super CBL, 0.3% HR-5. Preceded cmt w/20 bbls 14.2 PPG mud flush. Displace w/10 BFW followed by 100 bbls 13.6 PPG mud. Bumped plug and floats held OK. Had full returns and rot liner throughout job. Cmt in place and job complete @ 11:05 a.m., 10/19/92. Stung out of liner and pulled 15 stds, then LD 3-1/2" DP. ND BOPE and NU, test tbg hd and 6" BOPE. Clean mud tanks and released rig at 6:00 a.m., 10/20/92. CC: \$1,355,667. FINAL DRILLING REPORT.

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

10/8/92	11,078' Drlg 120'/23.5 hrs. Drlg, RS. Waatch, 80% SH, 10% LS, 10% SS, BGG 800 U, CG 2600 U. MW 10.5, VIS 38, WL 7.2, PV 14, YP 12, 1% 0IL, 10% SOL, PH 10, ALK .6/2.2, CL 8000, CA 32, GELS 2, 10" 8, CAKE 2. CC: \$1,049,294.
10/9/92	11.208' Drlg 130'/24 hrs. Drlg Wasatch FM 90% SH 10% SDST BCC 2000 H

- 10/10/92

 11,287' Drlg 79'/12 hrs. Drlg, RS, drlg. POH for bit. Magnaflux BHA, found 3 cracked boxes. TIH, W&R 45' to btm, no fill. Drlg, Wasatch, 70% SH, 10% SS, 20% LS, BGG 2000 U, CG 4000 U, TG 6000 U. Lost 100 bbls mud to seepage in last 24 hrs. MW 11, VIS 42, WL 12.8, PV 15, YP 18, 1% OIL, 11% SOL, PH 11, ALK .7/3.2, CL 8000, CA 10, GELS 10, 10" 22, CAKE 2. CC: \$1,079,860.

 DRLG BREAKS MPF GAS UNITS
 11226-238' 14-6-8 2200-2600-2200 10% fluor, wk cut, TR of oil 11246-255' 7-4-5 2200-2600-2200 Weak cut and TR of oil
- 11,612' Drlg 158'/23.5 hrs. Drlg, RS, drlg. Wasatch FM, 50% SH, 30% LS, 20% SS, BGG 3500 U, CG 5000 U. Show #56 from 11,468-482', MPF 8-4-9, gas units 2400-4000-3000. MW 12.1, VIS 38, WL 7.2, PV 14, YP 15, 2% OIL, 16% SOL, PH 10, ALK 0.7/2.8, CL 8000, CA 60, GELS 6, 10" 12, CAKE 2. CC: \$1,105,846.
- 10/13/92 11,789' Drlg 177'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% LS, 10% SDST, BGG 4500 U, CG 6100 U. Lost 300 BM in last 24 hrs. MW 12.3, VIS 38, WL 8.4, PV 14, YP 14, 3% OIL, 16% SOL, PH 11, ALK 0.8/2.5, CL 7500, CA 20, GELS 4, 10" 8, CAKE 2. CC: \$1,136,552.
- 11,978' Drlg 189'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% LS, 10% SD, BGG 3000 U, CG 4500 U. Lost 100 BM in last 24 hrs to seepage. Show #57 from 11,810-11,822', MPF 8-5-8, gas units 3400-4000-3600, NO FL, cut or oil. MW 12.5, VIS 39, WL 8, PV 14, YP 18, 3% OIL, 15% SOL, PH 11, ALK 0.1/3.5, CL 8000, CA 10, GELS 6, 10" 18, CAKE 2. CC: \$1,149,329.
- 12,167' Drlg $187^{\prime}/23\frac{1}{2}$ hrs. Drlg, RS. Wasatch FM, 90% SH, 10% SD, BGG 3000 U, CG 4400 U. MW 13.0, VIS 39, WL 8.8, PV 15, YP 17, 2% OIL, 20% SOL, PH 11, ALK 0.6/2.0, CL 8000, TR CA, GELS 6, 10" 12, CAKE 2. CC: \$1,160,815. 10/15/92 DRLG BREAKS MPF GAS UNITS 11918-926' 8-6-7 3800-4000-3800 No FL or cut, TR of oil 4200-5000-4200 No FL or cut, TR of oil 11980-992' 8-6-7 12014-024' 3800-4800-3800 No FL or cut, TR of oil 3800-4600-3800 No FL or cut, TR of oil 8.5-6-7.5 12044-068' 7-6-8

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

- 9/27/92

 9950' Cmt csg. C&C, LD 5" DP and 6-3/4" DC's. RU T&M casers. Ran 231 jts 7" csg, 138 jts 36#, LT&C, CF95, 5931.72', X-over jt 26# N-80 & 92 jts 26# Buttress, N-80, 3971.21', Howco diff shoe and float. Total string 9951.19', turbolators 1st 17 jts. C&C, TG 4000 U decr to 200 U. Cmt w/Howco, 20 BW, 30 bbls Superflush, 30 BW, 1340 sx Silicalite, .3% Halad 413, 2% CaCl₂, 4% gel, 2#/sx Capseal, 1/4#/sx Flocele, 12#/gal, 1.97 yield, tail 835 sx "H" w/.6% Hal 322, .3% HR5, .2% Super CBL, 16.4#/gal, 1.06 yield. Drop plug and displace w/378 bbls mud. Good returns. Circ 80 bbls cmt to surf. MW 10.4, VIS 35, WL 24, PV 7, YP 18, TR OIL, 11% SOL, PH 9.5, ALK .6/2.8, CL 8000, CA 68, GELS 15, 10" 20, CAKE 2. CC: \$850,371.
- 9/28/92 9950' PU 3½" DP. Set 7" csg slips and ND BOP. Cut off 7" and NU 4^OP. Test BOP to 5000#, Hydril to 2500#. Cut DL, RU T&M Casers. PU 4-3/4" DC's and 3-1/2" DP. Tag cmt at 9542'. MW 10.4, VIS 41, WL 28, PV 8, YP 22, TR OIL, 11% SOL, PH 9.5, ALK .7/3.5, CL 8000, CA 52, GELS 15, 10" 15, CAKE 2. CC: \$933,344.
- 9/29/92 10,007' Drlg 57'/8.5 hrs. Drlg cmt from 9542'. RS, drlg cmt to float @ 9900'. Test csg to 1500 psi/15 min, OK. Drlg cmt and shoe. Drlg FMN. TFNB #9. W&R to btm. Drlg. Wasatch top @ 9995', 90% SH, 10% LS, BGG 150 U, CG 200 U, TG 750 U. MW 10.1, VIS 34, WL 26.4, PV 5, YP 13, TR OIL, 9% SOL, PH 12, ALK 1.7/2.8, CL 8000, CA 12, GELS 5, 10" 10, CAKE 2. CC: \$945,964.
- 9/30/92 10,148' Drlg 141'/23.5 hrs. Drlg, RS. Wasatch, 80% SH, 10% LS, 10% SS, BGG 50 U, CG 150 U. MW 10.1, VIS 35, WL 14.6, PV 6, YP 13, TR 0IL, 9% SOL, PH 12, ALK .7/1.8, CL 7000, CA 40, GELS 2, 10" 8, CAKE 2. CC: \$965,877.
- 10/1/92 10,263' Drlg 115'/23½ hrs. Drlg, RS. Wasatch FM, 100% SH, BGG 700 U, CG 2600 U. Show #41 from 10,188-10,194', MPF 10.5-10-11, gas units 40-5000-2500, TR FL, wk cut and TR of oil. MW 10.1, VIS 36, WL 8.8, PV 10, YP 10, TR OIL, 9% SOL, PH 11.5, ALK 0.6/2.2, CL 7000, CA 56, GELS 2, 10" 8, CAKE 2. CC: \$975,364.
- 10/2/92 10,381' Drlg 118'/23.5 hrs. Drlg, RS. Wasatch, 80% SH, 20% LS, BGG 800 U, TG 2000 U. MW 10.1, VIS 35, WL 8.4, PV 8, YP 9, TR OIL, 9% SOL, PH 11, ALK .6/1.6, CL 6800, CA 56, GELS 1, 10" 2, CAKE 2. CC: \$991,018.
- 10/3/92 10,496' Drlg 115'/23.5 hrs. Drlg, RS. Wasatch, 90% SH, 10% LS, BGG 700 U, CG 2400 U. Drlg brk #24 from 10,426-431', MPF 12-8-12.5, gas units 600-3100-1200, TR fluor, wk cut, TR oil. MW 10.0, VIS 36, WL 6.4, PV 10, YP 10, TR OIL, 9% SOL, PH 11, ALK .4/2.2, CL 6800, CA 60, GELS 1, 10" 3, CAKE 2. CC: \$998,582.
- 10/4/92 10,603' Drlg 107'/23.5 hrs. Drlg, RS. Wasatch, 60% SH, 40% LS, BGG 300 U, CG 1500 U. MW 10.1, VIS 37, WL 7.6, PV 11, YP 11, TR 01L, 9% SOL, PH 10.5, ALK .4/1.6, CL 7000, CA 160, GELS 1, 10" 5, CAKE 2. CC: \$1,006,066.
- 10/5/92 10,716' Drlg 113'/23.5 hrs. Drlg, RS. Wasatch FM, 50% SH, 40% LS, 10% SS, BGG 1400 U, CG 2750 U. Show #43 from 10,642'-10,672', MPF 13-5-12, gas units 300-2500-1500, TR FL, WK cut and fair amt of oil. MW 10.2, VIS 37, WL 6, PV 12, YP 12, 1% 0IL, 9% SOL, PH 10.5, ALK 0.3/1.3, CL 8000, CA 112, GELS 2, 10" 6, CAKE 2. CC: \$1,013,176.
- 10/6/92 10,828' Drlg 112'/23.5 hrs. Drlg, RS. Wasatch, 60% SH, 40% LS, BGG 1000 U, CG 4000 U. Lost 100 bbls mud in last 24 hrs to seepage. MW 10.1, VIS 36, WL 7.2, PV 9, YP 11, 1% OIL, 9% SOL, PH 10.5, ALK .3/1.2, CL 8500, CA 80, GELS 2, 10" 5, CAKE 2. CC: \$1,023,014.
- 10/7/92 10,958' Drlg 130'/23.5 hrs. Drlg, RS. Wasatch FM, 70% SH, 20% SS, 10% LS, BGG 800 U, CG 4000 U. Show #44 from 10,844-858', MPF 11-10-12, gas units 800-2200-1200, TR Fluor, wk cut and slight increase in oil. Lost 125 BM/24 hrs due to seepage. MW 10.5, VIS 36, WL 7.6, PV 12, YP 10, 1% OIL, 10% SOL, PH 11, ALK 0.5/2.2, CL 8000, CA 40, GELS 2, 10" 6, CAKE 2. CC: \$1,038,943.

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

PAGE 3

9/19/92	8490' Drlg 287'/23.5 hrs. Drlg, RS, drlg in GR, 80% SH, 20% LS, BGG 200 U, CG 450 U. MW 9.1, VIS 33, WL 31, PV 7, YP 5, 0% OIL, 0% LCM, 3.2% SOL, PH 11, ALK 1.1/2.6, CL 8500, CA 40, GELS 1, 10" 3, CAKE 2. CC: \$542,190. DRLG BREAKS MPF GAS UNITS 8182-8192' 6-4-6 250-550-360 TR blk oil, 40% fluor, fair cut 8206-8228' 7-5-6 360-600-400 TR blk oil, TR fluor, wk cut 8296-8318' 5-4.5-5 250-500-350 TR blk oil, TR fluor, fair cut
	8408-8422' 4.5-3-5 250-450-350 TR blk oil, TR fluor, fair cut 8450-8460' 6-4-5 200-400-200 TR blk oil, 10% fluor, fair cut
9/20/92	8750' Drlg 260'/23 hrs. Drlg, RS, svy: 2-1/2 deg @ 8465'. Drlg in GR, 80% SH, 20% LS, BGG 150 U, CG 300 U. MW 9.1, VIS 34, WL 29.6, PV 9, YP 5, TR OIL, 3.2% SOL, PH 10.5, ALK .9/2.5, CL 8500, CA 40. CC: \$549,463. DRLG BREAKS MPF GAS UNITS 8522-8538' 5-4-5 250-500-280 TR blk oil, 30% fluor, fair cut 8648-8658' 6-4-6 180-400-200 TR blk oil, 30% fluor, fair cut 8674-8600' 6-4-6 180-270-200 TR blk oil, 10% fluor, wk cut 8692-8696' 6.5-5-6 200-500-160 TR blk oil, 10% fluor, wk cut
9/21/92	9030' Drlg 280'/23 hrs. Drlg, RS, drlg, svy: 2 deg @ 8968'. GR, 70% SH, 30%LS, BGG 300 U, CG 500 U, DTG 1700 U. MW 9.1, VIS 33, WL 32, PV 8, YP 5, TR 0IL, 0% LCM, 3.2% SOL, PH 1.1/2.9, CL 8500, CA 20, GELS 2, 10" 4, CAKE 2. CC: \$557,121. DRLG BREAKS MPF GAS UNITS 8756-8764' 5-2.5-5 180-600-200 TR blk oil, 10% fluor, fair cut 8828-8856' 5.5-3-5.5 250-600-300 TR blk oil, 40% fluor, fair cut 8918-8932' 5.5-5-5.5 300-500-350 TR blk oil, 30% fluor, fair cut 8962-8970' 5-4.5-5.5 350-650-350 TR blk oil, 30% fluor, fair cut
9/22/92	9204' Drlg 174'/15 hrs. Drlg, RS, TFNB. W&R 40' to btm. Drlg, GR, 60% SH, 30% LS, 10% SS, BGG 50 U, CG 200 U, TG 3200 U. Svy: 2 deg @ 9120'. MW 9.1, VIS 33, WL 36, PV 8, YP 5, TR OIL, 3.4% SOL, PH 10.5, ALK 1.1/2.8, CL 8500, CA 60, GELS 2, 10" 5, CAKE 2. CC: \$577,866. DRLG BREAK MPF GAS UNITS 9046-9054' 5-3-4 300-650-440 30% fluor, fair cut, trace of oil
9/23/92	9427' Drlg 223'/23.5 hrs. Drlg, RS. Green River, 70% SH, 30% LS, BGG 4200 U, CG 1000 U. MW 9.6, VIS 36, WL 36, PV 10, YP 6, TR 0IL, 6% SOL, PH 10.5, ALK .7/2.1, CL 9000, CA 40, GELS 1, 10" 4, CAKE 2. CC: \$585,142. DRLG BREAKS MPF GAS UNITS 9210-9220' 6-4-7 100-200-100 30% fluor, wk cut, TR 0il 9254-9264' 7.5-5/6.5 50-150-50 20% fluor, wk cut, no 0il 9288-9300' 6.5-2.5-6 50-250-50 10% fluor, wk cut, no 0il 9324-9328' 5.5-3-11.5 50-3000-800 30% fluor, wk cut, TR 0il 9384-9408' 6.5-4-5.5 500-4500-45 40% fluor, fair cut, fair oil show
9/24/92	9670' Drlg 243'/23.5 hrs. Drlg, RS, drlg in GR, 80% SH, 20% SS, BGG 200 U, CG 800 U, no shows. MW 10.1, VIS 35, WL 32, PV 5, YP 25, TR 0IL, 8% SOL, PH 10, ALK .4/1.9, CL 8000, CA 12, GELS 5, 10" 10, CAKE 2. CC: \$594,319.

9950' TIH. 44'/5 hrs. Drlg, C&C, ST 20 stds. C&C for logs. POH SLM, no corr. RU Schlumberger. Ran DLL, BHC Sonic, Cal and GR. Logger's TD 9929', 9/26/92 max temp 170°F. TIH. Green River, 80% SH, 20% LS, BGG 200 U, STG 5000 U, CG 2500 U. Syy: 1-1/2 deg @ 9905'. MW 10.4, VIS 42, WL 23.5, PV 10, YP 22, TR 0IL, 11% SOL, PH 10.5, ALK .6/2.4, CL 8000, CA 28, GELS 12, 10" 18, CAKE 2.

GAS UNITS

9906' Drlg 236'/23.5 hrs. Drlg, RS. Green River, 90% SH, 10% SS, BGG 1200 U, CG 3200 U. MW 10.2, VIS 35, WL 24, PV 8, YP 7, 9% SOL, PH 11, ALK .6/2.0, CL 8000, CA 32, GELS 2, 10" 4, CAKE 2. CC: \$604,562.

200-600-250 TR fluor, wk cut, TR oil 200-3700-1200 30% fluor, fair cut, fair incr in oil

CC: \$629,866.

DRLG BREAKS

9716-9730' 9866-9880'

MPF

5.5-5-6

6-4-6.5

9/25/92

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

PAGE 2

- 5625' Drlg 373'/15 hrs. Drlg, RS. Load hole w/wtr. TFNB, drop svy: 2-1/2 deg @ 5490'. TIH, W&R 5410-5520'. Drlg w/aerated wtr. MW 8.4, VIS 27, PH 9/11/92 10, ALK .1/1.5, CL 5900, CA 550, 2100 CFM AIR. CC: 440.424.
- 6530' Drlg 905'/22 hrs. Drlg, RS, chk BOP. Drlg, svys: 2-1/2 deg @ 5983'; 2-3/4 deg @ 6495'. Green River, 70% SH, 20% LS, 10% SS, BGG 10 U, CG 30 U. MW 8.4, VIS 27, PH 10.5, ALK .1/.15, CL 6000, CA 720, 1800 CFM. CC: \$462,184. 9/12/92
- 7105' Drlg 575'/23 hrs. Drlg w/aerated wtr. RS, chk BOP. Drlg, svy: 3-1/4 deg @ 6995'. Drill w/wtr. Green River FM, 60% SH, 50% LS, 10% SS, BGG 500 U, CG 1200 U. MW 8.4, VIS 27, PH 10, ALK .05/.1, CL 6200, CA 320. CC: 9/13/92 \$471,176. DRLG BREAKS MPF 2.5-2-3 **GAS UNITS** 6888-6906 Abd blk oil, 40% fluor, good cut 10-60-40

6918-6930' 40-500-400 Fair amt blk oil, 20% fluor, wk cut 3.5-1.5-4

- 7465' TOH w/bit 360'/22 hrs. Drlg, RS. Wireline svy, drlg, drop svy, TOH w/bit. GR FM, 60% SH, 20% LS, 20% SDST, BGG 3500, CG 4000 U. MW 8.4, VIS 27, PH 9.5, ALK 1.5/5.0, CL 9500, CA 140. CC: \$480,433.

 DRLG BREAKS MPF GAS UNITS 9/14/92 4-2-3 7076-863 500-2700-1500 Fr amt blk oil, 60% fluor, fair cut 7110-18' 4-3-3.5 1500-2000-1700 Slt inc blk oil, 60% fluor, fair cut Slt incr blk oil, 60% fluor, fair cut Slt incr blk oil, 50% fluor, fair cut Slt incr blk oil, 50% fluor, fair cut 7140-50' 5-3-4 1700-2200-2000 7248-58' 3.5-2-4 1700-2200-2000 7276-302' 4.5-1.5-3 2000-2300-2000 7324-38' 3.5-1-2.5 2400-3800-2300 Slt incr blk oil, 50% fluor, fair cut 3.5-2-3 7356-68' 2300-3000-320 2300-3000-320 Blk oil, 50% fluor 1600-2100-1500 No incr in oil, 50% fluor, fair cut 6-2-4 7390-408'
- 9/15/92 7580' Drig 115'/8 hrs. TIH, well flwg. Circ out gas. Spot 100 bbl pill 7580' Drig 115'/8 nrs. IIH, well tiwg. Circ out gas. Spot 100 bbl pill 9.6#/gal mud on btm. Well still flwg. C&C, wt up to 9.8#/gal. Kill well, TOH, chg bit and SS. TIH, cut drlg line. TIH, W&R 22' to btm, no fill. Drlg, GR, 70% SH, 20% LS, 10% SS, BGG 15 U, CG 50 U, TG 1500 U. Drlg brk from 7402-7414', MPF 3.5-3-7, gas units 1500-3800-3800, SL incr blk oil, TR fluor, wk cut. Svy: 1-3/4 deg @ 7465'. MW 9.8, VIS 31, WL 17.6, PV 8, YP 4, 0% OIL, 0% LCM, 3.3% SOL, PH 10, ALK .7/2.3, CL 5000, CA 40, GELS 1, 10" 3, CAKE 2. CC: \$494,404.
- 7785' TOH for pressure loss. 205'/22 hrs. Drlg, RS. Lost 600 psi. Pump flag, check surf equip, TOH. 80% SH, 10% LS, 10% SS, BGG 20 U, CG 40 U. MW 9.4, VIS 32, WL 19.2, PV 6, YP 3, 0% OIL, 0% LCM, 3.2% SOL, PH 10, ALK 1.8/4.4, CL 7500, CA 60, GELS 0, 10" 1, CAKE 2. CC: \$510,521. 9/16/92 MPF **DRLG BREAKS** GAS UNITS 4-6-5 7630-7636 15-50-15 TR blk oil, 60% fluor, fair cut 7-4-7 15-40-15 TR blk oil, 50% fluor, fair cut 7-2.5-8.5 15-40-15 TR blk oil, 70% fluor, fair cut 15-40-15 7720-7724' 7748-7752'
- 7938' Drlg 153'/13 hrs. TOH for press loss. Found hole crack in slip area 9/17/92 49 stds and single out. TOH w/BHA and Magnaflux BHA. LD 7 cracked DC's and jars. TIH w/bit and PU 4 DC's and jars. W&R 60' to btm, no fill. Drlg. GR FM, 70% SH, 30% LS, BGG 75 U, CG 200 U, TG 6100 U. Show #15 from 7840-7856', MPF 5.5-3-5, gas units 60-160-120, TR blk oil, 40% FL and fair cut. MW 9.3, VIS 33, WL 21.4, PV 7, YP 3, 3.2% SOL, PH 10.5, ALK 1.8/5.4, CL 8000, cA 40, GFLS 1 10" 2 CAKE 2 CC: \$524.250 GELS 1, 10" 2, CAKE 2. CC: \$524,360.
- 8203' Drlg 265'/22.5 hrs. Drlg, RS, svy: 3 deg @ 7962'. GR FM, 70% SH, 30% LS, BGG 350 U, CG 500 U. MW 9.1, VIS 33, WL 26, PV 6, YP 3, 3.2% SOL, PH 11, ALK 1.1/2.6, CL 8000, CA 600, GELS 1, 10" 3, CAKE 2. CC: \$532,173. 9/18/92 DRLG BRÉAKS 7964-7982' MPF GAS UNITS 6-3.5-5 70-200-100 Fair blk oil, 40% fluor, fair cut 140-2700-340 Fair blk oil, 50% fluor, fair cut 780-340-280 TR blk oil, 50% fluor, fair cut 280-360-280 TR blk oil, 40% fluor, fair cut 8016-8034' 140-2700-340 5-4-5 7-4-8 8110-8138' 8144-8166' 7-5-7

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH PARKER #233/UNIBAR

WI: 62.108% (ANR) AFE: 64269 ATD: 12,400' (WASATCH) SD: 8/31/92 CSG: 13-3/8" @ 219'; 9-5/8" @ 4000'

DHC(M\$): 1,426.0

6/18/92 195' GL WORT. MI RU Bill Jr's Rathole rig on 6/10/92 and drill 18" hole to 195'. Run 5 jts 13-3/8" 54# J-55 ST&C csg (tally 226'). Cmt w/Halliburton by pmpg 235 sx Cl G cmt w/3% CaCl $_2$ and 1/4#/sx Flocele. Displace and circ 4 bbls cmt to surf. Finish drlg rat and mouse hole for rig. CC: \$26,370.

MIRU Parker #233. Expect to spud late p.m., 8/31/92. 8/31/92

920' Drlg w/air mist. 701'/10 hrs. RURT, Parker #233. Spud @ 4:00 p.m., 8/31/92. RU rot hd. Drlg, chg rot hd rbr. Drlg w/air mist. Air 2100 CFM, wtr 13 GPM. Svy: 1-1/4 deg @ 500'. CC: \$122,184. 9/1/92

1775' Drlg 855'/22.5 hrs. Drlg, wtr flow at 1044'. RS, drlg, svys: 1/2 deg @ 1044'; 1-1/4 deg @ 1506'. MW 8.4, VIS 27, PH 9, ALK .05/.4, CL 400, CA 36. 9/2/92 CC: \$138,450.

2475' Drlg 700'/18.5 hrs. Drlg, RS. TFNB. PU 6 - $8\frac{1}{2}$ " DC's. W&R 60' to btm. Drlg. Svy: 1 deg @ 1933'. Well flowing 1500-2000 bbls/day. MW 8.4, VIS 27, PH 9, ALK .01/.02, CL 5100, CA 340. CC: \$159,167. 9/3/92

3245' Drlg 770'/19.5 hrs. Drlg, RS. Svys: 1-1/4 deg @ 2548'; 1/2 deg @ 3070'. Drlg w/wtr, MW 8.4, VIS 27, PH 9.5, ALK .01/.02, CL 5200, CA 492. CC: 9/4/92 \$168,376.

3878' Drlg $633^{\circ}/23$ hrs. Drlg, RS, svy: 3/4 deg @ 3518'. Drlg w/wtr. MW 8.4, VIS 27, PH 9.5, ALK .01/.02, CL 6100, CA 648. CC: \$179,166. 9/5/92

4000' TOH for 9-5/8" csg. 122'/5.5 hrs. Drlg, RS. Circ and mud up to 12.4 PPG to kill wtr flow. Short trip 20 stds, C&C. POH. MW 12.4, VIS 39, WL 9/6/92 12.8, PV 15, YP 10, 14% SOL, PH 10, ALK .1/.4, CL 4800, CA 160, GELS 5, 10" 8, CAKE 2. CC: \$200,712.

4000' WOC. POH, SLM 4001'. LD 8-1/2" DC's. RU csg crew. Ra 94 jts 9-5/8", 52 jts CF-95 40# LT&C, 2111.64', X0 jt CF-95, 40#, LT&C X Buttress 42.71'; 41 jts N-80, 36#/ft, buttress, 1854.49'. Total 4014'. RU Howco. C&C, incr MW to 12.6 PPG. Cmt 20 bbls Super Flush, 20 bbls FW, 1360 sx Howco Lite w/10#/sx Cilconite 2.2" (Creat and 1/4"/sx) FW, 1360 sx Howco Lite w/10#/sx 9/7/92 Gilsonite, 2#/sx Capseal and 1/4#/sx Flocele. 12.7 PPG yield, 1.81 cu ft/sx. Tail w/300 sx AG w/2% CaCl $_2$ and 1/4#/sx Flocele, 15.6 PPG, yield 1.18 cu ft/sx. Displace w/301 bbls wtr. Bump plug. Floats held. Good returns. 3 bbls cmt to surf. Plug in at 7:25 p.m., 9/6/92. Wtr flowed top of cmt out of hole, approx 40 bbls. Cut off conductor. Weld plate, SI well. RU Howco. Cmt dn backside of 9-5/8" csg w/210 sx AG w/3% CaCl₂, 15.6 PPG, yield 1.18 cu ft/sx. WOC. MW 12.5, VIS 40, WL 15.2, PV 14, YP 9, 14% SOL, PH 10, ALK .2/.5, CL 5000, CA 140, GELS 2, 10" 4, CAKE 2. CC: \$382,211.

4000' Drill float collar. WOC. Cut off 9-5/8" csg and weld on wellhead. NU BOP. Press test BOP to 5000#, hydril to 2500#. PU BHA and TIH. Drlg cmt from 3944' to float at 3969'. MW 8.4, VIS 27, PH 9, ALK .02/.06, CL 6300, CA 9/8/92 640. CC: \$402,017.

4563' TIH w/unplugged bit. 563'/12 hrs. Press test csg to 1500 psi/15 min., OK. Drill cmt and shoe. Drill w/air mist. TOH for string float. WL svy: 9/9/92 l deg @ 4515'. Attempt to unplug plugged bit. TOH w/plugged bit, unplug shock sub and bit. TOH w/bit. Drlg w/air mist. Air 2600 CFM. CC: \$419,725.

5252' Drlg $689^{\circ}/19\frac{1}{2}$ hrs. Finish TIH w/bit. W&R 120' to btm, 20' of fill. Drlg w/aerated wtr. Svy: 1-1/2 deg @ 5035'. MW 8.4, VIS 27, PH 9.5, ALK 9/10/92 0.02/0.04, CL 6100, CA 520, AIR 2100 CFM. CC: \$428.740.

DIVISION OF OIL, GAS AND MI	NING	
		5. Lease Designation and Serial Number: Fee Lease
SUNDRY NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name:
		N/A 7. Unit Agreement Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to re Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for	enter plugged and abandoned wells, or such proposals.	N/A
1. Type of Well: OIL 🖾 GAS 🔲 OTHER:		8. Well Name and Number: Matthews #2-13B2
2. Name of Operator:		9. API Well Number:
ANR Production Company		43-013-31357
3. Address and Telephone Number: P. O. Box 749 Denver, CO 80201-074	49 (303) 573-4476	10. Field and Pool, or Wildcat: Bluebell
4. Location of Well Footages: 858 FNL & 1098 FWL		county: Duchesne
CO, Sec.,T.,R,M.: (NW/NW) Section 13, T2S-R2W	State: Utah	
11. CHECK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	1	QUENT REPORT Original Form Only)
☐ Abandonment ☐ New Construction	☐ Abandonment *	☐ New Construction
☐ Casing Repair ☐ Pull or Alter Casing	Casing Repair	Pull or Alter Casing
☐ Change of Plans ☐ Recompletion	☐ Change of Plans	∑ Shoot or Acidize
☐ Conversion to Injection ☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat ☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off
☐ Multiple Completion ☐ Water Shut-Off	☐ Other	
Other	- n	12/02
Approximate date work will start	· —	12/93 🗸
Typroximate date work miretary	Heport results of Multiple Completions of COMPLETION OR RECOMPLETION AND	and Recompletions to different reservoirs on WELL. LOG form.
	* Must be accompanied by a cement verifi	cation report.
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and vertical depths for all markers and zones pertinent to this work.) 	give pertinent dates. If well is directionally drille	d, give subsurface locations and measured and true
Please see the attached chronological h job performed on the above referenced w		t, perf. and acid
3 - 1	(wiley	
		EGBIIVE
	•	MAR 0 3 1993
	Oll	DIVISION OF LGAS & MINING

(This space for State use only)

FORM P

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (SQUEEZE, CLEANOUT, PERF & ACIDIZE) ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH WI: 64.112233% (ANR) AFE: 64457

PAGE 15

- 2/10/93 Try to set anchor. Hot oiler bled off well. Pmpd 25 bbls prod wtr down tbg, kicked out csg. Finish LD down work string, RIH w/5-3/4" No-Go, 4-1/2" PBGA, 4' sub, SN, 7 jts 2-7/8", Mtn States 7" anchor, 299 jts 2-7/8". Csg kicked several times while RIH. RD floor, remove BOP's. Attempt to set anchor @ 9483', would not set. Pull up 1-jt, try to set, will not set. Land tbg on donut. Try again in the morning. Leave csg open to treater. Close tbg in, SDFN. DC: \$3,686 TC: \$142,441
- 2/11/93 RIH w/rods. Hot oiler bled off tbg, pmpd 70 bbls prod wtr down tbg. Circ oil out csg to trtr hole full. Let csg die. Unable to set TAC. CO 7" anchor. RIH w/2-7/8" tbg, add 8' sub, set 7" anchor @ 9469', SN @ 9687', No-Go @ 9724'. Land anchor w/18,000# tension. Install pump tee. Close tbg in, open csg to trtr. Change equip to rods. SDFN @ 6:30 p.m. DC: \$3,946 TC: \$146,387
- 2/12/93 Well on production. RIH w/Highland 2" pump, 7 1" w/guides, 128 3/4", 127 7/8", 121 1", checking each break. Space out, seat pump, PT to 500 psi, hold. RD rig. Pull Rotaflex unit forward. Place on pump. DC: \$11,839 TC: \$158,226
- 2/12/93 Pmpd 2 BO, 264 BW, 153 MCF, 5 SPM/18 hrs.
- 2/13/93 Pmpd 52 BO, 256 BW, 18 MCF, 5 SPM/24 hrs.
- 2/14/93 Pmpd 59 BO, 154 BW, 36 MCF, 4.6 SPM/24 hrs.
- 2/15/93 Pmpd 56 BO, 143 BW, 55 MCF, 4.6 SPM.
- 2/16/93 Pmpd 57 BO, 121 BW, 57 MCF, 3.5 SPM.

Prior prod: 33 BO, 41 BW, 66 MCF. Final report.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (SQUEEZE, CLEANOUT, PERF & ACIDIZE) ALTAMONT/BLUEBELL FIELD

PAGE 14

DUCHESNE COUNTY, UTAH WI: 64.112233% (ANR) AFE: 64457

- 2/2/93 Prep to drill out remains of BP. POOH w/2-7/8" tbg, 85 jts 2-3/8", XO, drag bit. Drag bit was worn out. RIH with 4-1/8" bladed mill, 85 jts 2-3/8", 253 jts 2-7/8". Tag BP. Prep to drill on BP, cmt. SDFN. DC: \$3,171 TC: \$44.836
- 2/3/93 Circ well clean, POOH. Drill up remains of BP @ 10,757'. Drill cmt from 10,758'-11,115' (avg 35'/hr). Easier drlg from 11,115'-11,170' (stringers). Fell through. Circ btms up, tbg kicking lots of gas, wtr, let die down. RIH to PBTD @ 12,360', did not touch anything. Pull up 120'. SDFN. DC: \$3,180 TC: \$48,016
- 2/4/93 Prep to perforate. Circ hole clean w/400 bbls treated prod wtr. P00H w/305 jts 2-7/8" (flush last 60 jts w/25 bbls prod wtr). LD 85 jts 2-3/8". SDFN. DC: \$3,506 TC: \$51,522
- 2/5/93 RIH with 3-1/2". RU OWP to perforate. RIH with 3-1/8" perf gun to 12,260' WLM. Can't get past, acts like full. Can't perf 12,310'; 12,305'; 12,283'; 12,273';, 12,264'. Perf Wasatch @ 10,780'-12,228' @ 3 SPF (104', 312 holes).

<u>Run_#</u>	<u>Perfs</u>	<u>Feet</u>	<u>Holes</u>	<u>FL</u>	<u>PS I</u>
1	12,228'-12,014'	23	69	Sfc	0
2	12,004'-11,598'	23	69	Sfc	0
3	11,591'-11,326'	23	69	Sfc	0
4	11,321'-10,992'	20	60	Sfc	0
5	10,988'-10,780'	<u>15</u>	<u>45</u>	Sfc	0
	Total	104'	312		

No change in FL after perf'g. RD OWP. RIH with 2 jts 2-7/8", XO, F-nipple, 6' - 2-3/8" sub, Mtn States Arrowset 10K, on-off tools. RU 4-Star to hydrotest. Test 36 jts 2-7/8" to 8500 psi. RIH with 5-3/4" No-Go, 85 jts 3-1/2". SDFN. DC: \$18,131 TC: \$69,653

- 2/6/93 Prep to acidize. Cont PU 3-1/2", tag liner @ 9745'. PU a total of 315 jts 3-1/2". Set pkr @ 10,746' w/35,000# compression. Fill csg & PT to 2000 psi, hold 15 min. SDFN. DC: \$2,867 TC: \$72,520
- Swabbing. Acidize perfs 10,780'-12,326' w/8100 gal 28% HCl (SWIC) w/60% foam, additives + 750 1.3 grav ball sealers. Max press 8710#, avg press 8400#. Max rate 7.8 BPM (fluid), avg rate 7.6 BPM (fluid); avg rate 17 BPM (foam). ISIP 6908#, 5 min 6590#, 10 min 6585#, 15 min 6390#. Total load 296 bbls. Diversion was good. RD Halliburton. Open well up had 5200 psi. Flwd 114 bbls, pH 3, tr oil. RU to swab. Swbd back 10 bbls, flwd 11 bbls died. Make 3 more swab runs, rec 26 BLW. SDFN @ 6:30 p.m. Total fluid rec 161 bbls, 135 BLWTBR.
 DC: \$62,032 TC: \$134,552
- 2/9/93 LD 3-1/2". Check press 1400 psi. Bleed off 6 BO. RU to swab. IFL @ 2200', FFL @ 2600', pH 4, 40% oil. Rec 45 BF, 206 bbls total rec. RD swab equip. Rls 5" pkr. LD 280 jts 3-1/2" tbg. Csg blew in several time, let die. SDFN. DC: \$4,203 TC: \$138,755

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (SQUEEZE, CLEANOUT, PERF & ACIDIZE) ALTAMONT/BLUEBELL FIELD

PAGE 13

ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 64.112233% (ANR) AFE: 64457 TD: 12,400' (WASATCH) PBTD: 12,360' CSG: 5" LINER @ 9,745'-12,398' Perfs: 10,780'-12,326' (Wasatch)

CWC(M\$): 176.8

- 1/20/93 WO repairs for rig. RU rig, spot equip. Rig engine blew. SDFN. DC: \$2,300 $\,$ TC: \$2,300
- 1/21/93 SD for rig repairs. Should re-start operations 1/22/93.
- 1/22/93 POOH w/rods. Back off rods deep back off. POOH w/114 1", flush rods. POOH w/100 7/8". SDFN. DC: \$1,975 TC: \$4,275
- 1/23/93 POOH w/rods, tbg. POOH w/rest of 7/8", 84 3/4", leaving 51 rods & pump in hole. Rls 7" anchor. Install BOP's. Csg kicked oil, pmpd 55 bbls prod wtr down csg. POOH w/256 jts 2-7/8", back off rods. POOH w/20 3/4". POOH w/16 jts 2-7/8". Leave csg open to treater. SDFN.

 DC: \$2,837 TC: \$7,112
- 1/25/93 RIH to CO 5" liner. LD 1-jt 2-7/8", back off rods. POOH w/rest of rods. POOH w/2-7/8" tbg. Rod pump stuck in PBGA. RIH w/4-1/8" bladed mill, flapper, 1-jt, flapper, 29 jts 2-3/8", safety jt, bailer, drain sub, 55 jts 2-3/8", XO. RIH w/206 jts 2-7/8" tbg. Leave EOT above 5" liner. SDFN. DC: \$3,513 TC: \$10,625
- 1/26/93 Prep to set CIBP. RIH w/100 jts 2-7/8". CO 5" csg, tag @ 12,340'. CO to 12,360'. POOH w/2-7/8" tbg. Last 5 jts full of drlg mud, frac balls, sand, etc. SDFN. DC: \$6,075 TC: \$16,700
- 1/27/93 Prep to cmt perfs. RU OWP. RIH, set 5" CIBP @ 10,740'. RIH w/38 jts 2-3/8", 302 jts 2-7/8", tag 5" CIBP. PU, EOT @ 10,728'. Circ well clean. Est inj rate into perfs @ 1.5 BPM @ 1500 psi. SDFN. DC: \$5,954 TC: \$22,654
- POOH w/tbg. RU Halliburton to cmt perfs @ 10,684'-10,728'. Pump 160 bbls prod wtr to get circ, FL @ 4400'. Pump 30 BFW, pump 14 bbls cmt slurry (52 sx AG-250 w/add), 10 BFW, 56 bbls prod wtr. Balanced plug. Spotted plug @ 9940'-10,728'. POOH w/32 jts 2-7/8" to 9736'. Bullhead squeeze cmt, stage cmt, press to 2500 psi. Rev out w/85 bbls prod wtr, no cmt. Press up to 2500 psi. Close well in. RD Halliburton. Approx 9 bbls cmt (33 sx) in wellbore, 19 sx in csg. Est TOC @ 10,446'. SDFN @ 1:00 p.m. DC: \$7,976 TC: \$30,630
- 1/29/93 Prep to D0 cmt. Check press, 1000 psi, bleed off. P00H w/302 jts 2-7/8". P00H w/38 jts 2-3/8". RIH w/4-1/8" drag bit, X0, 85 jts 2-3/8", 242 jts 2-7/8". RU strip rubber, RU swivel. SDFN. DC: \$2,999 TC: \$33,629
- 1/30/93 Prep to DO CIBP. Drill cmt from 10,430'-10,740' top of plug. Circ btms up. PT sqz to 2000 psi, hold 15 min, good. Circ well clean w/380 bbls treated prod wtr. SDFN. DC: \$3,419 TC: \$37,048
- 2/1/93

 POOH w/tbg, drag bit. Drill on CIBP @ 10,740'. Plug dropped 3' to csg collar, turn on plug, dropped to 10,757'. Drill on partial BP. No headway, spinning. Perf @ 10,757', possible spinning on cmt. Thump & drill on BP. Circ out metal (big chunks) not much headway. POOH, drag bit worn out. Circ btms up. LD 12 jts 2-7/8". SDFN. DC: \$4,617

 TC: \$41,665

TE OF UTAH DIVISION OF OIL, GAS AND MINING

			Fee
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name:
Do not use this form for p Use Al	roposals to drill new wells, deepen existing wells, or to reel PPLICATION FOR PERMIT TO DRILL OR DEEPEN form for	nter plugged and abandoned wells. such proposals.	7. Unit Agreement Name: N/A
1. Type of Well: OIL X GAS	OTHER:	RECIZINE	6. Well Name and Number: Matthews #2-13B2
2. Name of Operator: ANR Production	Company	MAR 1 8 1993	e. API Well Number: 43-013-31357
3. Address and Telephone Number: P. O. Box 749	Denver, CO 80201-0749	(30X)\5X3A4Q76	10. Field and Pool, or Wildcat: Bluebell
	'NL & 1098' FWL Section 13, T2S-R2W	O'L GAS & MINING	County: Duchesne State: Utah
11. CHECK APP	ROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
	TICE OF INTENT Submit in Duplicate)		QUENT REPORT Original Form Only)
vertical depths for all markers and zor	TED OPERATIONS (Clearly state all pertinent details, and despertinent to this work.)	COMPLETION OR RECOMPLETION AND * Must be accompanied by a cement verification and the second	and Recompletions to different reservoirs on WELL DLOG form. cation report. d, give subsurface locations and measured and true
r ao		OF UTAH	BY THE STATE DIVISION OF AND MINING 19-03 THE STATE DIVISION OF
13. Name & Signature: Eij	Leen Danni Dey	Title: Regulatory	Analyst Date: 3/15/93
Mile 4 01-4 1-3	•		

(This space for State use only)

PROCEDURE TO CLEAN OUT, ADD UPPER WASATCH PERFS & ACIDIZE

Matthews #2-13B2 Bluebell Field Duchesne County, Utah

March 5, 1993

WELL DATA

Location:

858' FNL & 1098' FWL (NW/NW) Section 13, T2S-R2W

WI:

64.112233% (ANRPC)

Elevation:

5201' GL, 5223' KB

Total Depth:

12.400' PBTD: 12,260' (100' fill)

Casing:

9-5/8" 40# CF-95 ST&C set @ 4000', cmtd w/1660 sx, 210 sx top job

7" 26# N-80/S-95 LT&C/Butt set @ 9950', cmtd w/2175 sx (circ) 5" 18# CF-95 H521 set @ 9,745'-12,398', cmtd w/250 sx (good returns)

Tubing:

2-7/8" 6.5# N-80 set @ 9724'; AC @ 9469', SN @ 9687'

TUBULAR DATA

<u>Description</u>	<u>Interval</u>	<u>ID</u>	<u>Drift</u>	Capacity <u>(B/F)</u>	Burst (PSI)	Collapse <u>(PSI)</u>
7" 26# N-80 Butt	0-4018'	6.276"	6.151"	0.0382	7240	5410
7" 26# CF-95 LT&C	4018-9950'	6.276"	6.151"	0.0382	8600	7600
5" 18# S-95 LT&C	9745-12398'	4.276"	4.151"	0.0177	12040	11880
2-7/8" 6.5# N-80 EUE	0-9724'	2.441"	2.347"	0.00579	10570	11160

Current Production:

Pmpg 47 BOPD, 105 BWPD, 47 MCFPD (2/93)

Cumulative Production:

2875 BO, 2270 MCF and 2898 BW (1/93)

Existing Perfs:

Wasatch 10,758-12,326', 217', 651 holes, 3-1/8" csg gun. Wasatch 10,684-10,728', 7', 21 holes, squeezed w/50 sx.

WELL HISTORY

December 22, 1992:

Initial completion in the Wasatch from 10,684-12,326', 3 SPF, 360

holes, well pumped 83 BOPD, 132 MCFPD, 120 BWPD after a 10,800 gal

15% HC1 and 350,000 SCF N₂.

Jan 21 - Feb 12, 1992:

Squeeze Wasatch perfs 10,684-10,728'. Add Wasatch perfs 10,780-12,228', 104', 312 holes. Acidized perfs 10,780-12,326' w/20,000

gal 60% quality foam 15% SWIC. Pumped 50 BOPD, 150 BWPD and 50

MCFPD after workover.

PROCEDURE

- 1. MIRU workover rig. Kill well, POH w/rods & pump. ND WH, NU BOP. TOH w/tbg, AC.
- 2. PU 4-1/8" mill & cleanout assembly on tbg and TIH. Cleanout 5" liner to $\pm 12,360$ '. TOH w/tbg & LD mill & cleanout assembly.

Procedure to Clean Out, Add Upper Wasatch Perfs & Acidize Matthews #2-13B2 March 5, 1993 Page 2

- PU 5" RBP and TIH w/2-7/8" tbg. Set RBP @ 10,670'. Circulate wellbore w/3% KCl water. Pressure test RBP to 5000 psi. Dump 2 sx sand on top of RBP. TOH w/tbg.
- 4. RU wireline and perforate Wasatch formation as per the attached schedule, 9.823'-10.648', 88', 68 zones, 264 holes with 3-1/8" casing gun. RD wireline. Note any pressure changes while perforating.
- 5. PU 5" HD pkr on 200' 2-7/8" tbg and TIH w/3-1/2" tbg. Set pkr @ ± 9790 '. Pressure test pkr & csg annulus to 2000 psi.
- 6. RU stimulation company and acidize Upper Wasatch perforations 9,823'-10,648', 264 holes, w/10,000 gal 15% HCl w/500 1.1 S.G. balls, 100 0.9 balls and specified additives. MTP 8500 psi. Note: This acid stimulation includes the following:
 - A) All fluids to be heated to 150°F.
 - B) Acidize w/4 stages of 2500 gal 15% HCl, the 1st stage containing 250 1.1 balls, 2nd stage 150 1.1 balls, 3rd stage 100 1.1 balls, 4th stage 100 0.9 balls and 3 diverter stages of 1200 gals gelled saltwater w/0.5 ppg Benzoic Acid Flakes and rock salt.
 - C) No xylene required.
- 7. Flow/swab back acid load.
- 8. Release pkr, TOH and LD 3-1/2" tbg. PU RBP retrieving tool & cleanout assembly on 2-7/8" tbg and TIH to 10,670'. Cleanout sand on RBP and engage and release RBP. TOH w/tbg, LD RBP and retrieving tool and cleanout assembly.
- 9. PU SN, AC on tbg and TIH. Set AC @ 9469', SN @ 9745'. PU pump and RIH w/rods. (Based on swabbing entry rate, adjust pump size and pumping unit SPM as required.)
- 10. RDMO workover rig.

Greater Altamont Field ANR - Matthews #2-13B2 NW Section 13, T2S-R2W Duchesne County, Utah

Perforation Schedule

Depth Reference: Schlumberger Dual Laterolog - Run #1&2 (9/25/92, 10/17/92)

10648	10429	10241	10082	9880
10646	10421	10236	10077	9866
10636	10419	10229	10066	9861
10632	10411	10224	10061	9856
10622	10406	10207	10056	9846
10607	10394	10203	10038	9840
10603	10378	10197	10035	9834
10595	10369	10190	10017	9823
10554	10361	10185	10012	
10544	10353	10172	9998	
10531	10332	10168	9991	
10524	10326	10156	9981	
10520	10304	10149	9978	
10513	10296	10144	9969	
10502	10290	10139	9958	
10494	10286	10134	9934	
10484	10275	10124	9926	
10475	10270	10116	9912	
10444	10262	10109	9901	
10435	10253	10088	9893	

Gross Upper Wasatch Interval 9,823'-10,648'; 88 feet, 68 zones.

RLR

2/23/93

MATHEWS 2 - 13 BZ CURRENT WELLBORE SCHMATIC BLUEBELL EVELD UTAH

Colch		
570162	BLUEBELL FIEL	SP73 KB
3,0.0	(; ;	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0 2
14	\ i \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	4	0. ";
	6	[7] \$ [
	0.0	
	(-;	- 1 ±
	′	9-5/1 40# CF-95 LTRC & BUTT 04000' and w/1660 5X +
· · · · · · · · · · · · · · · · · · ·	.6.	- 210 5x Top 50b
2-78"65#N-80	7,	
EUE Tbay) <u>,</u>	.9
} .	(*)	1.
		6.1
	6.	
	(:	0
		: AC @ 9,469' : SN @ 9687'
TB 6TAIL @ 9774		. SN C 9687
19611112 6 4.194		TOLO 9, 745
	TATAL L'	7" 26 CF-95 CT8C/N-80 BUT Set C 9950, could N/ 2175 SK
	2.6	1./ 9950, could w/ 0175 SX
	-5	SQZD W45ATCH (ERFS 10,684-10,728)
4.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2
	(, 1	
		EXISTING WASATCH
<u> </u>	1.	PERFORATIONS
	 : <u></u>	10,758-12,326
	.'	
44		=
111.		
,, 111		4:.
	(0, +	Ŧ-:`) / _
	1,1	7:(/
	(), +	1,6
PBTO 10,061) _ 10	a + · (/
160 1111 1	0:	4.1
OWP stacked out ORIG (BT)	- A 1 (& D	5" 18" 5-95 HIST S. 1017,398"
pertonating 12,360'	00+,61 QT	antel u/250 5x (good returns)
		11
		2 (25/43 MO Zen)

ATE OF UTAH DIVISION OF OIL, GAS AND MINING

			5. Lease Designation and Serial Number:	
			Fee Lease	
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name:	
			N/A	
Do not use this form for pro	posals to drill new wells, deepen existing wells, or to reent PLICATION FOR PERMIT TO DRILL OR DEEPEN form for s	ter plugged and abandoned wells.	7. Unit Agreement Name:	
	CONTROL FOR PENINT TO DRILL ON DEEPEN TOTAL TOP S	uch proposais.	N/A	
1. Type of Well: OIL X GAS	OTHER:		8. Well Name and Number:	
2. Name of Operator:			Matthews #2-13B2	
ANR Production	Company		9. API Well Number;	
3. Address and Telephone Number:			43-013-31357	
P. O. Box 749	Denver, CO 80201-07	49 (303) 573-4476	10. Field and Pool, or Wildcat:	
4. Location of Well	Benver / 60 00201-07	49 (303)373-4476	Bluebell	
Footages: 858' FI	NL & 1098' FWL		County: Duchesne	
QQ, Sec.,T.,R,M.: NW/NW	Section 13, T2S-R2W			
			State: Utah	
11. CHECK APPR	OPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
	ICE OF INTENT		JENT REPORT	
(Su	bmit in Duplicate)		riginal Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction	
Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing	
☐ Change of Plans	☐ Recompletion	Change of Plans	☐ Pull of Aller Casing ☐ Shoot or Acidize	
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	Ξ	
Fracture Treat	☐ Vent or Flare	Fracture Treat	☐ Vent or Flare	
☐ Multiple Completion	☐ Water Shut-Off	Other	☐ Water Shut-Off	
Other				
		Date of work completion	5/7/93	
Approximate date work will start		-	Report results of Multiple Completions and Recompletions to different reservoirs on WELL	
		COMPLETION OR RECOMPLETION AND LO	OG form.	
		* Must be accompanied by a cement verificati	ion report.	
Please see the	DOPERATIONS (Clearly state all pertinent details, and give pertinent to this work.) attached chronological hist in job performed on the above	cory for the cleanout, pre referenced well.		
	·	· · · · · · · · · · · · · · · · · · ·	DIVISION OF CAS & MINING	
Name & Signature: Eileen	Danni Dev Gy	Title: Regulatory A	Analyst Date: 5/26/93	
his space for State use only)				

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE)

BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 64.112233% ANR AFE: 64567 TD: 12,400' PBTD: 12,360' 5" LINER @ 9,745'-12,398' PERFS: 9,823'-12,326' (WASATCH)

CWC(M\$): 114.0

- 4/22/93
- Cont POOH w/CO tools. PU 4-1/8" mill, CO tools & 89 jts 2-3/8" tbg. RIH w/266 jts 2-7/8" tbg to 5" LT @ 9745'. Tag bridge & CO 4/23/93 from 11,224-11,364' (140'). Cont in hole, tag fill @ 12,271'. CO 89' to PBTD @ 12,360'. POOH w/237 jts 2-7/8". DC: \$5,493 TC: \$9,654
- Prep to spot sand and perf. POOH w/CO tools and 4-1/8" mill. Btm 2-jts had cmt, scale & BS's. PU 5" 18# RBP and pkr. RIH w/32 jts 2-3/8" tbg, 5-1/2" No-Go, 309 jts 2-7/8", tag 5" LT w/5-1/2" No-Go. Set RBP @ 10,670'. Set pkr @ 10,640'. Test RBP to 5000#. Rls pkr 4/26/93 and roll hole w/375 bbls treated production wtr. POOH with 305 jts 2-7/8", 5-1/2" No-Go, 32 jts 2-3/8" tbg & LD 5" 18# pkr & retrieving head. DC: \$7,582 TC: \$17,236
- RIH w/3-1/2" tbg. RU Cutters. RIH & dump bail 1 sx bauxite sand on RBP @ 10,670°. Perf Wasatch fmn 9,823'-10,648', 88', w/264 4/27/93 holes w/3-1/8" csg guns, 3 SPF on 120° phasing.

<u>Run #</u>	<u>Depth</u>	<u>Feet</u>	<u>Holes</u>	<u>FL</u>
1	10,648'-10,435'	20	60	850'
2	10,429'-10,253'	20	60	800'
3	10,241'-10,088'	20	60	800'
4	10,082'-9,893'	20	60	800'
5	9,880'-9,823'	8	24	800'

PU MSOT 5" HD pkr (w/4' pup & F-nipple on btm & on/off tool on top) and TIH w/3 jts 2-7/8" 8rd tbg, 2-7/8" SN & No-Go. XO. Change equip over to run 3-1/2" tbg. TIH w/131 jts 3-1/2" 8rd tbg. DC: \$18,822 TC: \$36,058

- Set up to acidize. SITP 0 psi/14 hrs (sl blow). Cont PU 3-1/2" 4/28/93 tbg. PU 191 jts, set pkr @ 9796' WLM (correlated from LT). PT pkr & csg to 2000#, OK. DC: \$6,082 TC: \$42,140
- Work pkr in tight spot @ 9764'. RU Dowell & acidize Wasatch perfs 4/29/93 9823'-10,648' (264 holes) w/10,000 gal 15% HCl w/additives, BAF, rock salt & 600 - 1.1 BS. Max press 8922#, avg press 8500#, max rate 24.1 BPM, min rate 2.3 BPM, avg rate 15 BPM. ISIP 5279#, 15 min 3300#. Total load 482 bbls. Excellent diversion. RD Dowell. RU swab. Made 14 runs in 5 hrs, rec 57 BF, IFL 5150', FFL @ 6200', final oil cut 3%, pH 5, fluid was gassy. Try to fill tbg. Pmpd 90 bbls @ 11 BPM. Unable to catch fluid. Work & rls pkr from 9796'. Let equalize. Pull pkr to 9764' - cannot work past (collar). DC: \$26,835 TC: \$68,975

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE) BLUEBELL FIELD DUCHESNE COUNTY, UTAH WI: 64.112233% ANR AFE: 64567

- Cont in hole w/string mill. Work pkr @ 9764', Unable to POOH w/pkr. Go down & set pkr @ 9796', get off w/on-off tool. POOH w/on-off tool to 9745', pulled clean. Retrieve pkr, try to work out of liner pkr still hanging up @ 9764'. Set pkr @ 9798'. Get off w/on-off tool. POOH & LD 322 jts 3-1/2" tbg. PU 4.135" string mill, BS & RIH w/173 jts 2-7/8" tbg to 5399'. DC: \$4,130 TC: \$73,105
- 5/1/93 RIH to check tight spot 0 9764'. Cont in w/4.135" string mill. Tag burr in csg 0 9764'. Clean & dress csg 0 9764' w/string mill. Pull out of liner w/4 jts 2-7/8". Mill 0 9658'. DC: \$4,312 TC: \$77,417
- PU OS & DC's. RIH w/string mill to 9778', no tight spots. POOH w/310 jts 2-7/8" & string mill. PU on-off tool, SN, and RIH w/311 jts 2-7/8" tbg. Latch onto & rls 5" pkr from 9798'. Unable to come up above 9764'. Go below csg collar @ 9806'. Cannot come back above 9806'. Set pkr @ 9819'. Get off of pkr & POOH w/312 jts 2-7/8" tbg.

 DC: \$4,114 TC: \$81,531
- PU bailer & retrieving head. PU 4-1/8" short catch OS w/2-1/2" grapple, jars, BS, accelerator, 6 3-1/8" DC's. RIH w/306 jts 2-7/8" tbg. Latch onto 5" pkr @ 9819' & rls pkr. PU to csg collar @ 9806'. Jar past collar 1-time w/12,000# over string wt. Able to come up w/o drag, unable to set pkr. RIH to fill on RBP @ 10,644' to insure pkr still latched in OS. Unable to set pkr. POOH w/332 jts 2-7/8", rec all of 5" pkr. Found pkr had rubber behind lower slips & slip cage bent. DC: \$7,496 TC: \$89,027
- 5/5/93 LD 2-3/8" tbg. PU retrieving head for 5" RBP & CO tools. RIH w/32 jts 2-3/8" tbg & 306 jts 2-7/8" tbg. Tbg fill @ 10,658'. CO fill to RBP @ 10,670'. Latch onto RBP. Work RBP free from 10,670'. POOH w/306 jts 2-7/8" tbg & 32 jts 2-3/8". LD CO tools, retrieving head & 5" RBP. Btm 2 jts 2-3/8" had sand & frac balls. DC: \$5,674 TC: \$94,701
- 5/6/93 LD 32 jts 2-3/8" tbg. PU prod BHA. RIH w/7 jts 2-7/8" tbg, 7" 26#
 TAC & 299 jts 2-7/8" tbg. Set 7" TAC @ 9472' w/PSN @ 9688' in
 20,000# tension. ND BOP. PU 2-1/2" x 1-3/4" x 34' pump. RIH
 w/7 1" w/guides, 128 3/4" & 63 7/8" rods.
 DC: \$5,916 TC: \$100,617
- 5/7/93 Well producing. Cont in w/64 7/8" rods (total of 127 7/8" rods) & 121 1" rods. Seat pump & PT to 500#, held. Stroke pump w/rig. Good pump action. Space out rods 48" above double tag. Flush flowline w/15 BW @ 170°. RD rig. Slide unit in. Turn over to prod @ 11:00 a.m.

 DC: \$7,814 TC: \$108,431
- 5/7/93 Pmpd 22 BO, 190 BW, 65 MCF, 2.9 SPM, 20 hrs.
- 5/8/93 Pmpd 42 BO, 207 BW, 79 MCF, 2.9 SPM.
- 5/9/93 Pmpd 43 BO, 145 BW, 79 MCF, 2.9 SPM.
- 5/10/93 Pmpd 63 BO, 191 BW, 98 MCF, 4.3 SPM.
- 5/11/93 Pmpd 55 BO, 200 BW, 122 MCF, 4.2 SPM.
- 5/12/93 Pmpd 58 BO, 175 BW, 142 MCF, 4.2 SPM.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE) BLUEBELL FIELD DUCHESNE COUNTY, UTAH WI: 64.112233% ANR AFE: 64567

5/13/93 Pmpd 55 BO, 158 BW, 148 MCF, 4.2 SPM.

5/14/93 Pmpd 57 BO, 148 BW, 154 MCF, 4.2 SPM.

Pmpd 52 BO, 142 BW, 151 MCF, 4.2 SPM. 5/15/93

5/16/93 Pmpd 51 BO, 125 BW, 154 MCF, 4.2 SPM.

Prior prod: 25 BO, 72 BW, 50 MCF. Final report.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

	··· · · · ·	
		5. Lease Designation and Serial Number:
V NOTICES AND THE		Fee Lease
Y NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name: N/A
oposals to drill new wells, deepen existing walls, or to pro-		7. Unit Agreement Name:
PLICATION FOR PERMIT TO DRILL OR DEEPEN form for	such proposals.	N/A
OTHER:		8. Well Name and Number:
		Matthews #2-13B2
Company		9. API Well Number:
1. 2		43-013-31357
Denver, CO 80201-05	749 (303) 573 4476	10. Field and Pool, or Wildcat:
	(303) 373-4478	Bluebell
NL & 1098' FWL		County: Duchesne
Section 13, T2S-R2W		State: Utah
OPRIATE BOYES TO INDICATE A	MATURE OF MOTION AND	
ICE OF INTENT	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
ICE OF IN LEN	•	UENT REPORT
□ New Construction	1	riginal Form Only)
	1 -	☐ New Construction
<u>-</u>	1	☐ Pull or Alter Casing
		Shoot or Acidize
	· ·	☐ Vent or Flare
☐ Water Shut-Off	_	☐ Water Shut-Off
	Outor	
	Voate of work completion	5/7/93
	Report results of Multiple Completions and	Recognitions to different
l	COMPLETION ON RECOMPLETION WID FO	OG form.
		•
attached chronological high	cory for the gleaneut	
		ECEINE
	•	OCT 1 2 1993
		DIVISION OF
Panni Dey	πιθο: Regulatory A	OIL, GAS & MINING Analyst Delo: 5/26/93
		,
	DODGENIA TO DRILL OR DEEPEN form for PPUCATION FOR PERMIT TO DRILL OR DEEPEN form for PPUCATION FOR PERMIT TO DRILL OR DEEPEN form for PPUCATION FOR PERMIT TO DRILL OR DEEPEN form for PPUCATION FOR PERMIT TO DRILL OR DEEPEN form for PPUCATION TO BOOK TO THE POCK TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PUBLICATION OF THE PROPERTY OF THE PROPERTY OF THE POCK TO T	Denver, CO 80201-0749 (303) 573-4476 NL & 1098' FWL Section 13, T2S-R2W OPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO ICE OF INTENT New Construction

tax crent, 15/29/93

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE)
BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 64.112233% ANR AFE: 64567

5/13/93 Pmpd 55 BO, 158 BW, 148 MCF, 4.2 SPM.

5/14/93 Pmpd 57 BO, 148 BW, 154 MCF, 4.2 SPM.

Pmpd 52 BO, 142 BW, 151 MCF, 4.2 SPM. 5/15/93

5/16/93 Pmpd 51 BO, 125 BW, 154 MCF, 4.2 SPM.

Prior prod: 25 BO, 72 BW, 50 MCF. Final report.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE) BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 64.112233% ANR AFE: 64567

DC: \$4,130

PAGE 17

Cont in hole w/string mill. Work pkr @ 9764', Unable to POOH w/pkr. Go down & set pkr @ 9796', get off w/on-off tool. POOH w/on-off tool to 9745', pulled clean. Retrieve pkr, try to work out of liner - pkr still hanging up @ 9764'. Set pkr @ 9798'. Get off w/on-off tool. POOH & LD 322 jts 3-1/2" tbg. PU 4.135" string 4/30/93

mill, BS & RIH w/173 jts 2-7/8" tbg to 5399'.

TC: \$73,105

- 5/1/93 RIH to check tight spot @ 9764'. Cont in w/4.135" string mill. Tag burr in csg @ 9764'. Clean & dress csg @ 9764' w/string mill. Pull out of liner w/4 jts 2-7/8". Mill @ 9658'. DC: \$4,312 TC: \$77,417
- PU OS & DC's. RIH w/string mill to 9778', no tight spots. POOH w/310 jts 2-7/8" & string mill. PU on-off tool, SN, and RIH w/311 jts 2-7/8" tbg. Latch onto & rls 5" pkr from 9798'. Unable to come up above 9764'. Go below csg collar @ 9806'. Cannot come back above 9806'. Set pkr @ 9819'. Get off of pkr & POOH w/312 5/3/93 jts 2-7/8" tbg. DC: \$4,114 TC: \$81,531
- PU bailer & retrieving head. PU 4-1/8" short catch OS w/2-1/2" grapple, jars, BS, accelerator, 6 3-1/8" DC's. RIH w/306 jts 2-7/8" tbg. Latch onto 5" pkr @ 9819' & rls pkr. PU to csg collar @ 9806'. Jar past collar 1-time w/12,000# over string wt. Able to 5/4/93 come up w/o drag, unable to set pkr. RIH to fill on RBP @ 10,644' to insure pkr still latched in OS. Unable to set pkr. POOH w/332 jts 2-7/8", rec all of 5" pkr. Found pkr had rubber behind lower slips & slip cage bent. DC: \$7,496 TC: \$8 TC: \$89,027
- LD 2-3/8" tbg. PU retrieving head for 5" RBP & CO tools. RIH w/32 jts 2-3/8" tbg & 306 jts 2-7/8" tbg. Tbg fill @ 10,658'. CO fill to RBP @ 10,670'. Latch onto RBP. Work RBP free from 10,670'. POOH w/306 jts 2-7/8" tbg & 32 jts 2-3/8". LD CO tools, retrieving head & 5" RBP. Btm 2 jts 2-3/8" had sand & frac balls. 5/5/93 DC: \$5,674 TC: \$94,701
- 5/6/93
- 5/7/93 Well producing. Cont in w/64 - 7/8" rods (total of 127 - 7/8" rods) & 121 - 1" rods. Seat pump & PT to 500#, held. Stroke pump w/rig. Good pump action. Space out rods 48" above double tag. Well producing. Flush flowline w/15 BW @ 170°. RD rig. Slide unit in. Turn over to prod @ 11:00 a.m. DC: \$7,814 TC: \$108,431
- 5/7/93 Pmpd 22 BO, 190 BW, 65 MCF, 2.9 SPM, 20 hrs.
- 5/8/93 Pmpd 42 BO, 207 BW, 79 MCF, 2.9 SPM.
- Pmpd 43 BO, 145 BW, 79 MCF, 2.9 SPM. 5/9/93
- 5/10/93 Pmpd 63 BO, 191 BW, 98 MCF, 4.3 SPM.
- 5/11/93 Pmpd 55 BO, 200 BW, 122 MCF, 4.2 SPM.
- 5/12/93 Pmpd 58 BO, 175 BW, 142 MCF, 4.2 SPM.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CO, PERF & ACIDIZE)

BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 64.112233% ANR AFE: 64567 TD: 12,400' PBTD: 12,260' 5" LINER @ 9,745'-12,398' PERFS: 9,823'-12,326' (WASATCH)

CWC(M\$): 114.0

- 4/22/93 PU 5" CO tools. RU rig. Unseat pump. POOH w/121 1" & 127 7/8". Re-flush tbg w/30 BW. Cont POOH w/128 3/4" & 7 1". LD rod pump, ND prod "T", NU BOP. Ris 7" TAC from 9469'. POOH w/299 jts 2-7/8" EUE tbg, 7" TAC, 7 jts 2-7/8" EUE & prod BHA. DC: \$4,161 TC: \$4,161
- 4/23/93 Cont POOH w/CO tools. PU 4-1/8" mill, CO tools & 89 jts 2-3/8" tbg. RIH w/266 jts 2-7/8" tbg to 5" LT @ 9745'. Tag bridge & CO from 11,224-11,364' (140'). Cont in hole, tag fill @ 12,271'. CO 89' to PBTD @ 12,360'. POOH w/237 jts 2-7/8". DC: \$5,493 TC: \$9,654
- 4/26/93 Prep to spot sand and perf. POOH w/CO tools and 4-1/8" mill. Btm 2-jts had cmt, scale & BS's. PU 5" 18# RBP and pkr. RIH w/32 jts 2-3/8" tbg, 5-1/2" No-Go, 309 jts 2-7/8", tag 5" LT w/5-1/2" No-Go. Set RBP @ 10,670'. Set pkr @ 10,640'. Test RBP to 5000#. Rls pkr and roll hole w/375 bbls treated production wtr. POOH with 305 jts 2-7/8", 5-1/2" No-Go, 32 jts 2-3/8" tbg & LD 5" 18# pkr & retrieving head.

 DC: \$7,582 TC: \$17,236
- 4/27/93 RIH w/3-1/2" tbg. RU Cutters. RIH & dump bail 1 sx bauxite sand on RBP @ 10,670'. Perf Wasatch fmn 9,823'-10,648', 88', w/264 holes w/3-1/8" csg guns, 3 SPF on 120° phasing.

Run #	<u>Depth</u>	<u>Feet</u>	<u>Holes</u>	<u>FL</u>
1	10,648'-10,435'	20	60	850'
2	10,429'-10,253'	20	60	800'
3	10,241'-10,088'	20	60	800'
4	10,082'-9,893'	20	60	800'
5	9,880'-9,823'	8	24	800'

PU MSOT 5" HD pkr (w/4' pup & F-nipple on btm & on/off tool on top) and TIH w/3 jts 2-7/8" 8rd tbg, 2-7/8" SN & No-Go. XO. Change equip over to run 3-1/2" tbg. TIH w/131 jts 3-1/2" 8rd tbg. DC: \$18,822 TC: \$36,058

- 4/28/93 Set up to acidize. SITP 0 psi/14 hrs (sl blow). Cont PU 3-1/2" tbg. PU 191 jts, set pkr @ 9796' WLM (correlated from LT). PT pkr & csg to 2000#, OK. DC: \$6,082 TC: \$42,140
- Work pkr in tight spot @ 9764'. RU Dowell & acidize Wasatch perfs 9823'-10,648' (264 holes) w/10,000 gal 15% HCl w/additives, BAF, rock salt & 600 1.1 BS. Max press 8922#, avg press 8500#, max rate 24.1 BPM, min rate 2.3 BPM, avg rate 15 BPM. ISIP 5279#, 15 min 3300#. Total load 482 bbls. Excellent diversion. RD Dowell. RU swab. Made 14 runs in 5 hrs, rec 57 BF, IFL 5150', FFL @ 6200', final oil cut 3%, pH 5, fluid was gassy. Try to fill tbg. Pmpd 90 bbls @ 11 BPM. Unable to catch fluid. Work & rls pkr from 9796'. Let equalize. Pull pkr to 9764' cannot work past (collar). DC: \$26,835

•		··· · · ·	
			5. Lease Designation and Serial Number: Fee
SUNDRY	NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name:
Do not use this form for propor Use APPLK	sals to drill new wells, deepen existing wells, or to ree CATION FOR PERMIT TO DRILL OR DEEPEN form for	nter plugged and abandoned wells, such proposais.	7. Unit Agreement Name: N/A
1. Type of Well: OIL X GAS			8. Well Name and Number:
2. Name of Operator:			Matthews #2-13B2
ANR Production Comp	any		9. API Well Number:
3. Address and Telephone Number:			43-013-31357 10. Field and Pool, or Wildcat:
P.O. Box 749, Denve	r. CO 80201-0749	(303) 573-4476	Bluebell
4. Location of Well			Didebeli
ODO ENT	& 1098' FWL		County: Duchesne
OQ, Sec.,T.,R.,M.: NW/NW Sec	ction 13-T2S-R2W		State:
	PRIATE BOXES TO INDICATE N	ATURE OF NOTICE PERC	Utah
NOTICE	OF INTENT	j	
	t in Duplicate)		UENT REPORT
☐ Abandonment	☐ New Construction	Abandonment *	riginal Form Only)
Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ New Construction
☐ Change of Plans	Recompletion	☐ Change of Plans	Pull or Alter Casing
☐ Conversion to Injection	Shoot or Acidize	Conversion to Injection	☐ Shoot or Acidize
☐ Fracture Treat	☐ Vent or Flare	Fracture Treat	☐ Vent or Flare
☐ Multiple Completion	☐ Water Shut-Off	Other	☐ Water Shut-Off
Other Perf			
		Date of work completion	
Approximate date work will start	6/24/94	Report results of Multiple Completions and	I Pennyal Managara
		THE PROPERTY OF THE PERSON NAMED FOR	As rom.
		* Must be accompanied by a cement verificati	•
	PERATIONS (Clearly state all pertinent details, and give inent to this work.) Led procedure to perf and Chestory (Control of the STATE CONTROL of the STATE	acidize the subject we	
OIL, GAS, AND DATE: SY: ame & Signature:	2/ 5 1 1	N.O. Shiflett	
	1 Date	Title: Dist. Drlg. N	Mgr. Dete: 5/24/94
s space for State use only)			

STIMULATION PROCEDURE

MATHEWS #2-13B2 Bluebell Field Duchesne County, Utah

WELL DATA

Location: Elevation: . 858' FNL & 1098' FWL 5201' GL, 5223' KB

Total Depth:

Casing:

12,400' PBTD: 12,260' 9-5/8", 40#, CF-95 set @ 4000' 7", 26#, N-80 & CF-95 set 9,950, 5", 18#, CF-95 set 9,745-12,398,

Tubing:

2-7/8", 6.5#, N-80 @ 9,727' w/ B-2 anchor catcher

TUBULAR DATA

Description 7", 26#, N-80 7", 26#, CF-95 5", 18#, CF-95 2-7/8", 6.5#, N-80	ID 6.276" 6.276" 4.276" 2.441"	Drift 6.151" 6.151" 4.151" 2.347"	B/F <u>Capacity</u> 0.0382 0.0382 0.0177 0.00579	psi <u>Burst</u> 7240 8600 12040 10570	psi <u>Collapse</u> 5410 7600 11880 11160
--	--	---	---	---	--

Present Status: Producing 33 BO, 96 BW, and 73 MCF per day on rod pump from

Wasatch perforations 9823'-12,326'.

PROCEDURE

- 1. MIRU service rig. Kill well and POOH with rods and pump. ND wellhead and NU and test 5K BOP.
- PU 4-1/8" bit on casing scraper and cleanout tool. Cleanout 5" liner to PBTD. POOH laying down tools.
- Perforate Lower Wasatch 12,364-12,310' with 3 spf and 120° phasing using 3-1/8" casing gun as per attached perforating schedule.
- 4. PU 5" packer on 2-7/8" 7.9# PH-6 tubing and TIH setting packer @ 10.740.
- 5. Acidize Wasatch perfs 10,757-12,326' as per attached schedule.

A. Acid to include 10 gal per 1000 scale inhibitor.

- B. Job to be pumped at maximum rate possible @ 9000 psig maximum
- C. All fluids to be pumped at 150° F.
- 6. Flow back acid load to frac tank until ph \geq 5.5. Run production log after well stabilizes.
- Release packer and POOH laying down packer. Rerun production tubing setting TA @ 9727'. Rerun rods and pump. Return to production.

GREATER ALTAMONT FIELD ANR - MATHEWS #2-13B2 NW/4 SECTION 13, T2S-R2W DUCHESNE COUNTY, UTAH

PERFORATION SCHEDULE

DEPTH REFERENCE: Schlumberger Dual Laterolog, Run #2 (10/17/92)

12,310'

12,305'

12,283'

12,273'

12,264'

Gross Wasatch Interval: 12,264-12,310', 5 feet, 3 zones

V. E. Guinn April 28, 1994

MATHEWS #2-13B2

SECTION 13-T2S-R2W BLUEBELL FIELD

DUCHESNE CO., UTAH

XXX XXX

SURFACE CASING: 9-5/8", 40#, CF-95 LT&C SET @ 4000'

INTERMEDIATE CASING: 7", 26# N-80 & CF-95, LT&C SET @ 9950'

TUBING: 2-7/8", 6.5#, N-80, EUE TUBING SET @ 9,727' W/B-2 ANCHOR CATCHER

PRODUCTION LINER: 5", 18#, CF-95 SET @ 9,745-12,398'

WASATCH PERFS: 9823'-12,326'

WASATCH PERFS 10,628-10,728 SQUEEZED 1/28/93

TD @ 12,400' PBTD @ 12,260'

FORM 9	TATE OF UTAH			
DIVISION OIL, GAS AND MININ		SEP 23 1994	5: Lease Designation and Serial Number:	
SUNDRY NOTICE	S AND REPORTS ON V	WELLS	6. If Indian, Allottee or Tribe Name: N/A	
Do not use this form for proposals to drill new w Use APPLICATION FOR PERI	ells, deepen existing wells, or to reenter plug MIT TO DRILL OR DEEPEN form for such pro		7. Unit Agreement Name: N/A	
Type of Well: OIL X GAS OT	HER:		8. Well Name and Number: Matthews #2-13B2	
2. Name of Operator: ANR Production Company			9. API Well Number: 43 – 013 – 31357	
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-07	49	(303) 573 – 4476	10. Field and Pool, or Wildcat: Bluebell	
4. Location of Well Footages: 858' FNL & 1098' FV QQ, Sec., T., R., M.: NW/NW Section 13-	-T2S-R2W	IATURE OF NOTICE, REF	county: Duchesne state: Utah PORT, OR OTHER DATA	
NOTICE OF INTENT (Submit In Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)		
Abandonment Casing Repair Change of Plans Conversion to Injection Fracture Treat Multiple Completion Other Approximate date work will start	New Construction Pull or Alter Casing Recompletion Shoot or Acidize Vent or Flare Water Shut-Off Da	ate of work completion		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Convertical depths for all markers and zones pertinent to this work.)		inent dates. If well is directionally drilled, give	subsurface locations and measured and true	
Please see the attached chronological	history for work performed i	in the subject well.		

(This space for State use only)

N.O. Shiflett

Title: District Drilling Manager

09/20/94

1.0. Shiftett Jab

13.

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CLEANOUT & ACIDIZE) BLUEBELL FIELD

DUCHESNE COUNTY, UTAH

WI: 64.11264% ANR AFE: 00224 TD: 12,400' PBTD: 12,360' 5" LINER @ 9,745'-12,398' PERFS: 9,823'-12,326' (WASATCH) CWC(M\$): 140.7

6/13/94 POOH w/tbg & BHA. MIRU workover rig. Work rods for 1-hr to unseat pump. Flush tbg w/60 BW, reseat pump. Fill tbg w/35 BW & test to 500# (held). POOH w/rods & 1% pump. RU tbg equip. Rls 7" AC @ 9472'. NU 4' spool & BOP. POOH w/124 jts 2% tbg, EOT @ 5883'. CC: \$3,903

6/14/94 CO 5" liner. POOH w/182 jts 23% tbg & BHA. RIH w/41% mill & CO assembly, 91 jts 23/8", 212 jts 27/8" tbg to 9668'. CC: \$6,887

6/15/94 RU Cutters to perf. Work thru several bridges @ 11,436'-12,274'. Tag solid @ 12,274', CO to PBTD @ 12,360'. POOH w/301 jts 27/8" tbg. LD CO assembly, btm 2 jts plugged w/scale. CC: \$12,337

6/16/94 Prep to acidize. RU Cutters. Perf well @ 12,264'-12,310' w/31/8" csg gun, 3 SPF w/120° phasing (15 holes):

> Run # Interval F<u>eet</u> Holes <u>PSI</u> 12.264'-12.310' 5 15 50#

RIH w/5" Mtn States HD pkr & 313 jts 27/8" 7.9# PH-6 tbg to 9729'. CC: \$19,932

6/17/94 Prep to acidize. WO Dichlor chemicals. Plan to acidize Tuesday, 6/21/94.

6/18-19/94 SD for weekend.

6/20/94 Prep to acidize.

LD 27%" workstring. RIH w/33 jts 27%" PH-6 tbg. Set Mtn States 5" HD pkr @ 10,746' w/35,000# compression. RU Dowell. Treat perfs @ 10,757'-12,326' w/25,200 gal 15% HCl, 37,800 gal Diklor w/additives, rock salt, BAF & 600 - 1.1 balls. MTP 9000#, ATP 8500#, MTR 17 BPM, ATR 8 BPM. ISIP 4500#, 15 min 2124#, poor diversion, 1920 BLWTR. Note: Had communication around pkr after 1075 bbls pmpd. RD Dowell. Rls pkr @ 10,746'. LD 126 jts 27%" tbg to 6823'. (Note: Pmpd 300 bbls down backside after csg communicated.) CC: \$104,845 6/21/94

Continue swabbing. LD 220 jts 27/8" PH-6 tbg & 5" HD pkr. PU 7" Mtn States pkr. RIH w/same & 306 jts 27/8" tbg. Set 7" pkr @ 9674'. RU swab. IFL @ 5000'. Made 8 runs & rec 42 BW, 5 B0/21/2 hrs, FFL 6000'. Avg 16 BWPH, 2 BOPH, oil cut 10%, pH 7.0. CC: \$117,506 6/22/94

POOH w/7" pkr. SITP 1000#. RU swab. IFL 4400'. Made 23 runs & rec 76 BW, 19 BO, oil cut 20%, $8\frac{1}{2}$ hrs, 11 BPH, pH 6.0, FFL 6200'. Rls 7" pkr @ 9674'. POOH w/150 jts $2\frac{7}{6}$ " tbg. (Note: Heavy damage to swab 6/23/94

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CLEANOUT & ACIDIZE)
BLUEBELL FIELD
DUCHESNE COUNTY, UTAH

WI: 64.11264% ANR AFE: 00224

6/24/94 Well on pump.
POOH w/156 jts 2%" tbg & 7" pkr. RIH w/7" AC, BHA & 304 jts 2%" tbg. Set AC @ 9730' w/18,000# tension, SN @ 9620'. ND BOP. RU rod equip. RIH w/1%" pump & rods. Seat pump, test to 500#. RD, return well to production. CC: \$131,334

6/24/94 Pmpd 23 BO, 95 BW, 91 MCF, 13 hrs.

6/25/94 Pmpd 17 BO, 115 BW, 132 MCF.

6/26/94 Pmpd 40 BO, 102 BW, 128 MCF, 2.2 SPM. Will run dyno.

6/27/94 Pmpd 41 BO, 94 BW, 138 MCF, 2.2 SPM. Will run dyno this a.m.

6/28/94 Pmpd 37 BO, 159 BW, 119 MCF, 22 hrs. Ran dyno - FL @ 5400', SN @ 9620'. Down 2 hrs to change shieve and incr SPM from 2.2 to 4.2.

6/29/94 Pmpd 72 BO, 176 BW, 176 MCF, 4.3 SPM.

6/30/94 Pmpd 47 BO, 160 BW, 305 MCF, 4.3 SPM.

7/1/94 Pmpd 47 BO, 160 BW, 153 MCF.

7/2/94 Pmpd 66 BO, 139 BW, 169 MCF.

7/3/94 Pmpd 79 BO, 167 BW, 180 MCF.

7/4/94 Pmpd 83 BO, 156 BW, 181 MCF, 4.3 SPM.

7/5/94 Pmpd 54 BO, 165 BW, 175 MCF, 4.3 SPM.

Prior prod: 33 BO, 96 BW, 73 MCF. Final report.

9	14/193	8
2	5/1265	7

		5. Lease Designation and Serial Number: Fee
SUNDRY NOTICES AND REPORTS C		6. If Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to reente Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su		7. Unit Agreement Name: N/A
1. Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Matthews #2-13B2
2. Name of Operator: ANR Production Company		9. API Well Number: 43 – 013 – 31357
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573-4476	10. Field and Pool, or Wildcat: Bluebell
4. Location of Well		
Footages: 858' FNL & 1098' FWL		County: Duchesne
QQ, Sec., T., R., M.: NW/NW Section 13-T2S-R2W		State: Utah
11. CHECK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REF	PORT, OR OTHER DATA
NOTICE OF INTENT	SUBSEQU	JENT REPORT
(Submit In Duplicate)	(Submit Or	iginal Form Only)
Abandonment New Construction	Abandonment *	New Construction
Casing Repair Pull or Alter Casing	Casing Repair	Pull or Alter Casing
Change of Plans Recompletion	Change of Plans	X Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection	Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off
Multiple Completion Water Shut-Off	X Other CO	
Other		
	Date of work completion	7/5/94
Approximate date work will start	Report results of Multiple Completions and	Recompletions to different reservoirs on WELL
	COMPLETION OR RECOMPLETION AND I	
	Must be accompanied by a cement verifical	ation report.
DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.) Please see the attached chronological history for work perform		subsurface (ocations and measured and true
13. Name & Signature: A.O. Shifle It lab	N.O. Shiflett	
Name & Signature: // / / / / / / / / / / / / / / / / /	Title: District Drilling N	Manager Date: V 09/20/94
(This space for State use only)		1/25/95- tax credit

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CLEANOUT & ACIDIZE) BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 64.11264% ANR AFE: 00224 TD: 12.400' PBTD: 12.360' 5" LINER @ 9.745'-12.398'
PERFS: 9.823'-12.326' (WASATCH)
CWC(M\$): 140.7

6/13/94 POOH w/tbg & BHA. MIRU workover rig. Work rods for 1-hr to unseat pump. Flush tbg w/60 BW, reseat pump. Fill tbg w/35 BW & test to 500# (held). POOH w/rods & 1¾" pump. RU tbg equip. Rls 7" AC @ 9472'. NU 4' spool & BOP. POOH w/124 jts 2¾" tbg, EOT @ 5883'. CC: \$3,903

6/14/94 CO 5" liner. POOH w/182 jts 2%" tbg & BHA. RIH w/4%" mill & CO assembly, 91 jts 2%". 212 jts 2%" tbg to 9668'. CC: \$6,887

6/15/94 RU Cutters to perf. Work thru several bridges @ 11.436'-12.274'. Tag solid @ 12.274'. CO to PBTD @ 12.360'. POOH w/301 jts 27%" tbg. LD CO assembly. btm 2 jts plugged w/scale. CC: \$12,337

6/16/94 Prep to acidize. RU Cutters. Perf well @ 12,264'-12,310' w/31/6" csg gun, 3 SPF w/120° phasing (15 holes):

> Run # Interval <u>Feet</u> Holes <u>PSI</u> 12.264'-12.310' 5 15 50#

RIH w/5" Mtn States HD pkr & 313 jts 27%" 7.9# PH-6 tbg to 9729'. CC: \$19,932

6/17/94 Prep to acidize. WO Dichlor chemicals. Plan to acidize Tuesday, 6/21/94.

6/18-19/94 SD for weekend.

6/20/94 Prep to acidize.

LD 27%" workstring.
RIH w/33 jts 27%" PH-6 tbg. Set Mtn States 5" HD pkr @ 10.746' w/35.000# compression. RU Dowell. Treat perfs @ 10.757'-12.326' w/25.200 gal 15% HCl. 37.800 gal Diklor w/additives. rock salt. BAF & 600 - 1.1 balls. MTP 9000#. ATP 8500#. MTR 17 BPM. ATR 8 BPM. ISIP 4500#, 15 min 2124#. poor diversion. 1920 BLWTR. Note: Had communication around pkr after 1075 bbls pmpd. RD Dowell. Rls pkr @ 10.746'. LD 126 jts 27%" tbg to 6823'. (Note: Pmpd 300 bbls down backside after csg communicated.) CC: \$104.845 6/21/94

6/22/94 Continue swabbing LD 220 jts 27%" PH-6 tbg & 5" HD pkr. PU 7" Mtn States pkr. RIH w/same & 306 jts 27%" tbg. Set 7" pkr @ 9674'. RU swab. IFL @ 5000'. Made 8 runs & rec 42 BW, 5 BO/2½ hrs, FFL 6000'. Avg 16 BWPH, 2 BOPH, oil cut 10%, pH 7.0. CC: \$117,506

POOH w/7" pkr.
SITP 1000#. RU swab. IFL 4400'. Made 23 runs & rec 76 BW, 19 BO, oil cut 20%, 8½ hrs. 11 BPH, pH 6.0, FFL 6200'. Rls 7" pkr @ 9674'. POOH w/150 jts 2%" tbg. (Note: Heavy damage to swab 6/23/94

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 (CLEANOUT & ACIDIZE) BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 64.11264% ANR AFE: 00224

6/24/94 Well on pump. POOH w/156 jts 2%" tbg & 7" pkr. RIH w/7" AC. BHA & 304 jts 2%" tbg. Set AC @ 9730' w/18.000# tension, SN @ 9620'. ND BOP. RU rod equip. RIH w/1%" pump & rods. Seat pump, test to 500#. RD, return well to production. CC: \$131,334

6/24/94 Pmpd 23 BO, 95 BW, 91 MCF, 13 hrs.

6/25/94 Pmpd 17 BO, 115 BW, 132 MCF.

6/26/94 Pmpd 40 BO, 102 BW, 128 MCF, 2.2 SPM. Will run dyno.

6/27/94 Pmpd 41 BO. 94 BW, 138 MCF, 2.2 SPM. Will run dyno this a.m.

Pmpd 37 BO, 159 BW. 119 MCF. 22 hrs. Ran dyno - FL @ 5400', SN @ 9620'. Down 2 hrs to change shieve and incr SPM from 2.2 to 4.2. 6/28/94

6/29/94 Pmpd 72 BO. 176 BW, 176 MCF, 4.3 SPM.

Pmpd 47 BO, 160 BW, 305 MCF, 4.3 SPM. 6/30/94

7/1/94 Pmpd 47 BO, 160 BW, 153 MCF.

7/2/94 Pmpd 66 BO, 139 BW, 169 MCF.

7/3/94 Pmpd 79 BO, 167 BW, 180 MCF.

7/4/94 Pmpd 83 BO, 156 BW, 181 MCF, 4.3 SPM.

7/5/94 Pmpd 54 BO, 165 BW, 175 MCF, 4.3 SPM.

Prior prod: 33 BO, 96 BW, 73 MCF. Final report.

•	FORM	9

TATE OF UTAH
DIVISION OIL, GAS AND MINING

		5. Lease Designation and Serial Number: See Attached
SUNDRY NOTICES AND REPORTS C	6. If Indian, Allottee or Tribe Name: See Attached	
Do not use this form for proposals to drill new wells, deepen existing wells, or to reente Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su		7. Unit Agreement Name: See Attached
1. Type of Well: OIL $oxed{X}$ GAS $oxed{\Box}$ OTHER:		8. Well Name and Number: See Attached
2. Name of Operator: Coastal Oil & Gas Corporation		9. API Well Number: See Attached
P.O. Box 749, Denver, CO 80201-0749	(303) 573 – 4455	10. Field and Pool, or Wildcat: See Attached
4. Location of Well Footages: See Attached QQ, Sec., T., R., M.: See Attached		County: See Attached State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REP	ORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQU	ENT REPORT ginal Form Only)
Abandon	* Must be accompanied by a cement verificate pertinent dates. If well is directionally drilled, gives the pertinent dates. If well directionally drilled, gives the pertinent	ad Coastal Oil & Gas Corporation Of for lease activities is being
Bonnie Carson, Sr. Environmental & Safety Analyst ANR Production Company	V OF	MAR _ 8 1996 CIL, GAS & MINING
Name & Signature: Sheila Zaruner	Sheila Bremer Environmental & S Title: Coastal Oil & Gas (afety Analyst Corporation Date: 03/07/96
his space for State use only)		

			If Indian,		LOCATION	OF WELL		
		Lease Designation	Allottee or			Section, Township		
Well Name & No.	API No.	& Serial Number	Tribe Name	CA No.	Footages	& Range	Field	County
Brotherson 1-33A4	43-013-30272	Deterted 1/00						Journey
Brotherson 2-10B4	43-013-30443	Patented 680	N/A	N/A	820' FNL & 660' FEL	NENE, 33-1S-4W	Altamont	Duchesne
Brotherson 2-14B4		Patented 1615	N/A	N/A	1241' FSL & 1364' FWL	SESW, 10-2S-4W	Altamont	Duchesne
	43-013-30815	Fee 0450	N/A	N/A	2557' FSL & 1642' FWL	NESW, 14-2S-4W	Altamont	Duchesne
Brotherson 2-15B4	43-013-31103	Fee 1771	N/A	N/A	996' FWL & 1069' FSL	SWSW, 15-2S-4W	Altamont	Duchesne
Brotherson 2-22B4 Brotherson 2-2B5	43-013-31086	Fee 1782	N/A	N/A	1616' FWL & 1533' FSL	NESW, 22-2S-4W	Altamont	Duchesne
	43-013-31302	Fee 1/342	N/A	N/A	1034' FSL & 2464' FEL	SWSE, 2-2S-5W	Altamont	Duchesne
Christensen 2-29A4	43-013-31303	Fee //235	N/A	N/A	1425' FSL & 2131' FEL	NWSE, 29-1S-4W	Altamont	Duchesne
Crook 1-6B4	43-013-30213	Patented 1825	N/A	N/A	2485' FNL & 1203' FEL	SENE, 6-2S-4W	Altamont	Duchesne
Dastrup 2-30A3	43-013-31320	Fee 1/253	N/A_	N/A	1250' FSL & 1229' FWL	SWSW, 30-1S-3W	Altamont	Duchesne
Doyle 1-10B3	43-013-30187	Patented 8/6	N/A	N/A	2382' FNL & 2157' FWL	SENW, 10-2S3W	Bluebell	Duchesne
Duncan 2-9B5	43-013-30719	Fee 2410	N/A_	N/A	1701' FWL & 1554' FSL	NESW, 9-2S-5W	Altamont	Duchesne
Ehrich 3-11B5	43-013-31080	Fee 7/491	N/A	N/A	1654' FSL & 1754' FWL	NESW, 11-2S-5W	Altamont	Duchesne
Elder 1-13B2	43-013-30366	Patented 1905	N/A	N/A	1490' FNL & 1334' FEL	SWNE, 13-2S-2W	Bluebell	Duchesne
Ellsworth 1-17B4	43-013-30126	Patented 1695	N/A	N/A	763' FNL & 1189' FEL	NENE, 17-2S-4W	Altamont	Duchesne
Ellsworth 1-19B4	43-013-30183	Patented 1760	N/A	N/A	2043' FNL & 1764' FEL	SWNE, 19-2S-4W	Altamont	Duchesne
Ellsworth 1-20B4	43-013-30351	Patented 1900	N/A	N/A	1744' FNL & 1342' FEL	SWNE, 20-2S-4W	Altamont	Duchesne
Ellsworth 1-8B4	43-013-30112	Fee 1655	N/A	N/A	1755' FNL & 2377' FEL	SWNE, 8-2S-4W	Altamont	Duchesne
Ellsworth 2-17B4	43-013-31089	Fee 1696	N/A	N/A	1355' FWL & 1362' FSL	NESW, 17-2S-4W	Altamont	Duchesne
Ellsworth 2-19B4	43-013-31105	Fee 1761	N/A	N/A	1402' FSL & 1810' FWL	NESW, 19 -2S-4W	Altamont	Duchesne
Ellsworth 2-20B4	43-013-31090	Fee 1902	N/A	N/A	677' FWL & 1611' FSL	NWSW, 20-2S-4W	Altamont	Duchesne
Ellsworth 3-20B4	43-013-31389	Fee 11488	N/A	N/A	1500' FNL & 1203' FWL	SWNW, 20-2S-4W	Altamont	Duchesne
Farnsworth 1-12B5	43-013- 31024	30/24 Patented 1645	N/A	N/A	2479' FNL & 1503' FEL	SWNE, 12-2S-5W	Altamont	Duchesne
Farnsworth 1-13B5	43-013-30092	Patented 1610	N/A	N/A	670' FNL & 1520' FEL	NWNE, 13-2S-5W	Altamont	Duchesne
Farnsworth 1-7B4	43-013-30097	Patented / Lego	N/A	N/A	1923' FNL & 1095' FEL	SENE, 7-2S-4W	Altamont	Duchesne
Farnsworth 2-12B5	43-013-31115	Fee 646	N/A	N/A	993' FSL & 768' FWL	SWSW, 12-2S-5W	Altamont	Duchesne
Farnsworth 2-7B4	43-013-30470	Patented 1935	N/A	N/A	1292' FSL & 1500' FWL	SESW, 7-2S-4W	Altamont	Duchesne
Fieldstead 2-28A4	43-013-31293	Fee ///7/7	N/A	N/A	2431' FSL & 2212' FWL	NESW, 28-1S-4W	Altamont	Duchesne
Galloway 1-18B1	43-013-30575	Fee 2365	N/A	N/A	1519' FNL & 1565' FEL	SWNE, 18-2S-1W	Bluebell	Duchesne
Hanskutt 2-23B5	43-013-30917	Fee 9600	N/A	N/A	951' FSL & 761' FWL	SWSW, 23-2S-5W	Altamont	Duchesne
Hanson 1-24B3	43-013-30629	Fee 2370	N/A	N/A	1354' FNL & 1540' FWL	NENW, 24-2S-3W	Bluebell	Duchesne
Hanson 2-9B3	43-013-31136	Fee 10455 Patented 1646	N/A	N/A	1461' FWL & 1531' FSL	NESW, 9-2S-3W	Altamont	Duchesne
Hanson Trust 1-32A3	43-013-30141	Patented الميار	N/A	N/A	671' FNL & 1710' FEL	NWNE, 32-1S-3W	Altamont	Duchesne
Hanson Trust 1-5B3	43-013-30109 ⁻	Patented 1635	N/A	N/A	1200' FNL & 1140' FWL	NENE, 5-2S-3W	Altamont	Duchesne
Hanson Trust 2-29A3	43-013-31043	Fee 10205	N/A	N/A	1857' FWL & 1394' FSL	NESW, 29-1S-3W	Altamont	Duchesne
Hanson Trust 2-32A3	43-013-31072	Fee 1641	N/A	N/A	1141' FWL & 1602' FSL	NWSW, 32-1S-3W	Altamont	Duchesne
Hanson Trust 2-5B3	43-013-31079	Fee 1/03/0	N/A	N/A	1606' FSL & 1482' FWL	NESW, 5-2S-3W	Altamont	Duchesne
Hartman 1-31A3	43-013-30093	Fee 5725	N/A	N/A	1019' FNL & 1024' FEL	NENE, 31-1S-3W	Altamont	
Hartman 2-31A3	43-013-31243	Fee 1/026	N/A	N/A	2437' FSL & 1505' FWL	SWSW, 31-1S-3W	Altamont	Duchesne Duchesne
Hunt 1-21B4	43-013-30214	Patented 1840	N/A	N/A	1701' FNL & 782' FEL	SENE, 21-2S-4W	Altamont	Duchesne
Hunt 2-21B4	43-013-31114	Fee /839	N/A	N/A	1512' FWL & 664' FSL	1150111 01 00 011	Altamont	
lorg 2-10B3	43-013-31388	Fee 1/482	N/A	N/A	738' FNL & 660' FEL	NENE, 10-2S-3W		Duchesne
Lake Fork 3-15B4	43-013-31358	Fee 1/378	N/A	N/A	1300' FNL & 1450' FWL	NENW, 15-2S-4W	Altamont Altamont	Duchesne
Lawrence 1-30B4	43-013-30220	Fee //378 Fee //845	N/A	N/A	919' FNL & 1622' FEL	NWNE, 30-2S-4W	Altamont	Duchesne Duchesne
Lawson 1-28A1	43-013-30358	Fee 1901	N/A	N/A	2275' FSL & 1802' FEL	NWSE, 28-1S-1W	Bluebell	
Lazy K 2-14B3	43-013-31354	Fee //452	N/A	N/A	1670' FSL & 1488' FEL	NWSE, 14-2S-3W	Bluebell	Duchesne
Lindsay 2-33A4	43-013-31141	Fee /0457	N/A	N/A	1499' FWL & 663' FSL	SESW, 33-1S-4W		Duchesne
Lotridge Gates 1-3B3	43-013-30117	Patented 1670	N/A	N/A	965' FNL & 750' FEL	NENE, 3-2S-3W	Altamont	Duchesne
Matthews 2-13B2	43-013-31357	Fee //374 Fee //489	N/A	N/A	858' FNL & 1098' FWL	NWNW, 13-2S-2W		Duchesne
Meeks 3-8B3	43-013-31377	Fee 11489	N/A	N/A	1065' FNL & 1124' FWL	NWNW, 8-2S-3W	Bluebell Altamont	Duchesne

	on of Oil, Gas A NTOR CHANGE W						Routing:	
		ion received by the d tem when completed.					2-DTS 8- 3-W0	FILE
	inge of Opera ignation of	tor (well sold) Operator		Designation of Operator Name	•	У	4 PATE 6-FILM	4
The o	perator of th	he well(s) liste	d below has	changed (EFF	ECTIVE DATE:	12-27-95	<u>; </u>	
TO (n		COASTAL OIL & GAPO BOX 749 DENVER CO 8020		FROM (form		ANR PRODUC PO BOX 749 DENVER CO		
		phone (303)572- account noN (phone <u>(303</u> account no) 572-1121 N 0675	
Hell(:	S) (attach addi	tional page if neede	d):					
Name: Name: Name: Name:				Entity: Entity: Entity:	SecTw SecTw SecTw SecTw	pRng pRng pRng pRng	Lease Type: Lease Type: Lease Type: Lease Type: Lease Type: Lease Type:	
Lec 1. Lec 2.	(Rule R615- (Attach to	-8-10) Sundry o ttach to this fo 8-10) Sundry or this form). (feel	other <u>legal</u> d 3-8-967 has been co	8-96/ _ documentation	on has been he new opera	received fr	om <u>new</u> ope	rator ently
	yes, show co	ompany file numb	er:		eu with the	state: tye	211101	_ 11
	comments se	and Federal He ephone Document ction of this f uld take place p	orm. Manag	gement review	of Federal	and India:	well oper	rator
<u>ec</u> 5.	Changes have listed above	e been entered i	n the Oil a	nd Gas_Inform Fee C.A.'s) (8-20	mation System 1-96/Indian C.1	m (Wang/IBM A.s)) for each	well
Je o.	Cardex Tite	nas been upuated	i i oi eacii i	well listed a	bove.			
1	Changes have	abels have been u e been included ution to State La	on the mont	thly "Operato	or Addrass	and Accoun	t Changes"	memo
<i>∥</i> <u>~</u> 9.	A folder has	s been set up fo for reference o	r the Opera	itor Change f	ile. and a c	copy of this original d	s page has ocuments.	been

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.	
ENŢITY REVIEH	
(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Pentity changes made? (yes/ho) (If entity assignments were changed, attach copies Form 6, Entity Action Form).	√er <u>s</u> o
2. State Lands and the Tax Commission have been notified through normal procedures entity changes.	0
BOND VERIFICATION (Fee wells only) Surely No. Ulo5382-1 (480,000) United Pacific Ins. Co.	
Lec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnishe proper hond	d a
2. A copy of this form has been placed in the new and former operators' bond files.	
LC 3. The former operator has requested a release of liability from their bond (yes (no) _ Today's date	 :ter
LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY	
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has be notified by letter dated	any
2. Copies of documents have been sent to State Lands for changes involving State leases .	
FILMING A	
1. All attachments to this form have been microfilmed. Date:	2.
FILING	
l. <u>Copies</u> of all attachments to this form have been filed in each well file.	
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operat Change file.	tor
COMMENTS	
960311 This change involves Fee lease Inon C.A. wells onty a State Lease wells.	
C.A. & Indian lease wells will be handled on separate change.	
960412 BLm/SL Aprv. C.A.'s 4-11-96.	
960820 BIA aprv. CA'S 8-16-96.	
9/00329 BIA apri. Indian Lease wells 3-2/096.	
1671/34-35 X 9/0/107 Limica 2-582 /43013-30784 under review at this time; no day yet	

	-	
FORM	9	+

ATE OF UTAH
DIVISION S. OIL, GAS AND MINING

*	5. Lease Designation and Serial Number: Fee
SUNDRY NOTICES AND REPORTS OF	N WELLS 6. If Indian, Allottee or Tribe Name: N/A
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su	271
1. Type of Well: OIL $oxed{X}$ GAS OTHER:	8. Well Name and Number: Matthews #2-13B2
2. Name of Operator: ANR Production Company	9. API Well Number: 43-013-31357
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573-4476 10. Field and Pool, or Wildcat: Bluebell
4. Location of Well	
Footages: 858' FNL & 1098' FWL	County: Duchesne
QQ, Sec., T., R., M.: NW/NW Section 13-T2S-R2W	State: Utah
11. CHECK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT	SUBSEQUENT REPORT
(Submit In Duplicate)	(Submit Original Form Only)
Abandonment New Construction	Abandonment * New Construction
Casing Repair Pull or Alter Casing	Casing Repair Pull or Alter Casing
Change of Plans Recompletion	Change of Plans Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off
Multiple Completion Water Shut-Off	X Other Repair tbg leak & lower seat nipple
Other	
	Date of work completion3/28/98
Approximate date work will start	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
	Must be accompanied by a cement verification report.
	indicate decompanies by a commit remaining on
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.) Please see the attached chronological well history for work performance.	
13. Name & Signature: Anne Caran	Bonnie Carson Title Senior Environmental Analyst Date 05/26/98
reality or originated of	inic Solitor Environmental Amaryst Date 03/20/90
(This space for State use only)	

CHRONOLOGICAL HISTORY

MATTHEWS #2-13B2 ALTAMONT/BLUEBELL FIELD DUCHESNE COUNTY, UTAH

WI: 62.108% (ANR) AFE: 64269

TD: 12,400' (WASATCH) PBTD: 12,327'

CSG: 5" @ 9,718'-12,399'

Perfs: 10.684'-12,326' (Wasatch)

CWC(M\$): 1,716.0

3/25-28/98

AFE Tbg leak & Lower S.N. MIRU. LD polish rod. Unseat pmp @ 9566', flush, reseat pmp. No test, unseat pmp. POOH w/ rods & pmp. LD 7-1" guided rods on btm & pmp. RU Dia Log. Log tbg split jt 200#, RD Dia Log. NDWH. NUBOP. Rls 7" AC @ 9734'. POOH w/ tbg. Tally & sort LD 10 bad jts, BHA & AC. RU Delsco. Run wire line check TD TAG @ 12,252', PBTD @ 12,360'. There is a 108' of fill. RD Delsco. Chg over to 2-3/8'. They brought the wrong gas anc. RIH BHA, EOT @ 11,060', SN @ 10,986', 7" AC @ 9698'. RU rod equip, PU pmp & 54 3/4' rods 10 3/4" w/ guides to cover wear area. RIH seat & space pmp. Test to 1000# OK. RD, slide Rotaflex, hang well on.

	•	DEPARTMENT OF NATURAL RESOU	RCES	I OIIII S
٠		DIVISION OF OIL, GAS AND MI		5. LEASE DESIGNATION AND SERIAL NUMBER:
	SUNDR	Y NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	Do not use this form for proposals to drift drill horizontal	new wells, significantly deepen existing wells below cur laterals. Use APPLICATION FOR PERMIT TO DRILL I	rent bollom-hole depth, reenter plugged wells, or to orm for such proposals.	7. UNIT or CA AGREEMENT NAME:
1	. TYPE OF WELL OIL WELL	GAS WELL OTHER_		8. WELL NAME and NUMBER: Exhibit "A"
2	. NAME OF OPERATOR:			9. API NUMBER:
	El Paso	o Production Oil & Gas C	Company	
3	. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
		ıy Vernal state Utah zip	84078 435-789-4433	
4.	FOOTAGES AT SURFACE:		90.90 25 00 V 3	COUNTY:
	QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN:		STATE: UTAH
11	. CHECK APP	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
	TYPE OF SUBMISSION		TYPE OF ACTION	
	7	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
L	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
		CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
	SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
· <u></u>	(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL, SITE	WATER SHUT-OFF
		CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	X OTHER: Name Change
			THE SAME LETTER PROPERTY OF SAME TON	
12		OMPLETED OPERATIONS. Clearly show all p		
	1 T C. /	the memory between The C	located Corneration and	a rahallar armod

As a result of the merger between The Coastal Corporation and a wholly owned subsidary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708		
Coastal Oil & Gas Corporation		
NAME (PLEASE PRINT) John T Elzner	TITLE	Vice President
SIGNATURE	DATE _	06-15-01
El Paso Production Oil & Gas Compa	any	
NAME (PLEASE PRINT) John T El zner	TITLE	Vice President
SIGNATURE	DATE	06-15-01
(This space for state use only)		State State The State St

RECEIVED

JUN 19 2001

State of Delaware Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.



JUN 13 2001

DIVISION OF OIL, GAS AND MINING



Darriet Smith Windsor, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

That in lieu of a meeting and vote of stockholders, the SECOND: stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

Vice President

Attest:

Margaret E. Roark, Assistant Secretary

STATE OF DELAWARE SECRETARY OF STATE DIVISION OF CORPORATIONS FILED 11:00 AM 03/09/2001

010118394 - 0610204

JUN 19 2001

DIVISION OF OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH	4-KAS
2. CDW	5-LPi
3 II T	6-FILF

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

06/19/2001

608186-0143

06/21/2001

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has o	changed, effective:	3-09-200	01	-		
TDOM:		TO O				
FROM: (Old Operator):			w Operator):			
COASTAL OIL & GAS CORPORATION			PRODUCTIO			
Address: 9 GREENWAY PLAZA STE 2721		Address: 9 GREENWAY PLAZA STE 2721 RM 297				
HOUSTON, TX 77046-0995		HOUSTO	N, TX 77046-0)995		
Phone: 1-(713)-418-4635		Phone:	1-(832)-676-4	1721		
Account N0230		Account	N1845			
				· · · · - · · · · ·		
CA	No	Unit:				
WELL(S)				·		
	API	ENTITY	SEC TWN	LEASE	WELL	WELL
NAME	NO	NO	RNG	TYPE	TYPE	STATUS
CBHATCH 1-5B1	43-013-30226	5935	05-02S-01W	FEE	OW	S
J LAMICQ ST 1-6B1	43-013-30210	5405	06-02S-01W	FEE	OW	S
NORLING ST U 1-9B1	43-013-30315	5940	09-02S-01W	FEE	OW	S
GALLOWAY 1-18B1	43-013-30575	2365	18-02S-01W	FEE	OW	P
ANDERSON 1A-30B1	43-013-30783	292	30-02S-01W	FEE	OW	P
JOHN 1-3B2	43-013-30160	5385	03-02S-02W	FEE	OW	S
MEAGHER ESTATE 1-4B2	43-013-30313	1811	04-02S-02W	FEE	OW	S
LAMICQ 2-5B2 (CA 96-83)	43-013-30784	2302	05-02S-02W	FEE	OW	P
REESE ESTATE 1-10B2	43-013-30215	5460	10-02S-02W	FEE	OW	S
REESE 2-10B2	43-013-30837	2416	10-02S-02W	FEE	OW	P
E H BUZZI U 1-11B2	43-013-30248	5960	11-02S-02W	FEE	OW	S
ELDER 1-13B2	43-013-30366	1905	13-02S-02W	FEE	OW	P
MATTHEWS 2-13B2	43-013-31357	11374	13-02S-02W	FEE	OW	P
GOODRICH 1-18B2	43-013-30397	1871	18-02S-02W	FEE	OW	S
LINMAR 1-19B2	43-013-30600	9350	19-02S-02W	FEE	OW	P
JENKINS 1-1B3 (CA 96-70)	43-013-30175	1790	01-02S-03W	FEE	OW	P
JENKINS 2-1B3	43-013-31117	1792	01-02S-03W	FEE	OW	P
GOODRICH 1-2B3	43-013-30182	1765	02-02S-03W	FEE	OW	P
GOODRICH 2-2B3	43-013-31246	11037	02-02S-03W	FEE	OW	P
LOTRIDGE GATES FEE 1-3B3	43-013-30117	1670	03-02S-03W	FEE	OW	S

(R649-8-10) Sundry or legal documentation was received from the NEW operator on:

4. Is the new operator registered in the State of Utah:

The new company has been checked through the Department of Commerce, Division of Corporations Database on:

YES

Business Number:

5.	If NO, the operator was contacted on: N/A
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A
D.	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on: 06/28/2001
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 06/28/2001
3.	Bond information entered in RBDMS on: 06/20/2001
4.	Fee wells attached to bond in RBDMS on: 06/28/2001
ST	ATE BOND VERIFICATION:
1.	State well(s) covered by Bond No.: N/A
FI	E WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:
1.	(R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond: 400JU0708
	The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on: OMPLETION OF OPERATOR CHANGE N/A
3.	(R649-2-10) The FORMER operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE
	LMING:
1.	All attachments to this form have been MICROFILMED on: 7 'DI 'OI
	LING: ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
	MMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso
Pro	oduction Oil and Gas Company shall be retained in the "Operator Change File".

STATE OF UTAH

	DEPARTMENT OF NATURAL RESOURCES	1 ONW 3
	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDR	Y NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	new wells, significantly deepen existing wells below current bottom-hole depth, reenter laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL		8. WELL NAME and NUMBER: MATTHEWS 2-13B2
2. NAME OF OPERATOR:		9. API NUMBER:
EL PASO E&P COMPAN 3. ADDRESS OF OPERATOR:		4301331357
1099 18TH ST SUITE 1900	PHONE N TY DENVER STATE CO ZIP 80202 (303)	JUMBER: 10. FIELD AND POOL, OR WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 858' F	NL & 1098' FWL	COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN: NWNW 13 T2S R2W	STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICATE NATURE OF NO	TICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF	
EL PASO RESPECTFUL	ALTER CASING FRACTURE TREAT CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING PLUG AND ABANDON CHANGE WELL NAME PLUG BACK CHANGE WELL STATUS PRODUCTION (START) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WE CONVERT WELL TYPE RECOMPLETE - DIFFE DMPLETED OPERATIONS. Clearly show all pertinent details including dail LY REQUESTS APPROVAL TO RECOMPLETE THE	TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF SELL SITE OTHER: RENT FORMATION Tes, depths, volumes, etc. E CAPTIONED WELL PER THE ATTACHED
		COPY SENT TO OPERATOR Date: 10 · 14 · 2008 Initials: KS
NAME (PLEASE PRINT) MARIE O	KEEFE SR	REGULATORY ANALYST
SIGNATURE MALL /	Kee (M) 9/22	2/2008
SIGNATURE 7 100000	DATE	submitted overnight 9/2/08
nis space for State use only)	APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING	RECEIVED
	DATE: \1017/08	SEP APR 2 3 2008

(5/2000)

DIV. OF OIL, GAS & MINING

Recompletion Procedure Matthews 2-13B2 Section 13, T2S, R2W Altamont-Bluebell Field Duchesne County, Utah

COMPANY PERSONNEL

Title	Name	Office	Mobile	Home
Production Manager	Frank Seidel	(303) 291-6436	(303) 945-1049	(720) 524-8693
Production Engineer	Doug Sprague	(303) 291-6433	(303) 957-6176	(303) 627-4970
Production Foreman	Gary Lamb	(435) 454-4224	(435) 823-1443	(435) 454-3537

TUBULAR DATA

Material	Description	Burst (100%)	Col (100%)	Body Yield	Jt Yield	ID	Drift ID	Cap CF/LF	TOC
Surface Casing	9 5/8" 36# N-80 to 1,888' & 40# CF-95 to 4,000'	6820	3320	1088	1074	8.835	8.679	.4257	SURF
Intermediate Casing	7" 26# N-80 to 4,018' & 26# CF-95 to 9,950'	7240 8600	5410 5870	604 717	667 722	6.276	6.151	.2148	8,340' (CBL)
Production Liner	5" 18# S-95 @ 9,745' to 12,398'	12040	12030	501	512	4.276	4.151	.0997	TOL
Production Tubing	2-7/8" 6.5# N-80 8rd	10570	11160			2.441	2.347	.0325	

- 1. MIRU workover rig. Load well with TPW. POOH and lay down rods and pump.
- 2. ND wellhead. NU and test BOP. POOH with tubing. Lay down BHA.
- 3. RIH with 6 1/8" bit, 7" casing scraper and DC's and clean wellbore to top of liner (9,745'). Circulate well clean. POOH.
- 4. RIH with 4 1/8" bit, 5" casing scraper and DC's and clean liner to 10,040'. Circulate well clean. POOH.
- 5. RU EL. RIH and set 5" CIBP at 10,030'. Dump 55' of cement on top. RIH and set CBP at 9,810'. RD EL.
- 6. Pressure test casing to 1,500 psi. If leak is detected, isolate with packer. Establish breakdown. Design squeeze job based on breakdown data and squeeze leak. Drill out and test squeeze. Circulate hole clean. POOH laying down tubing.

- 7. RU EL w/ 5K lubricator and test to 5,000 psi with water. RIH and shoot the intervals of Stage # 1 per the attached schedule with 3-1/8" HSC, 22.7 gm charges, **SPF as noted** and 120° phasing. Perforate first interval under 500 psig surface pressure. Record any changes in fluid level or wellhead pressure while perforating. RD WL unit. Lay and stake hardline to pit, NU chokes on casing valves.
- 8. Pick up treating packer with circulating port and RIH with 4 ½" frac string. Set packer at 9,000'±. Test frac string to 8,500 psi.
- 9. MI and RU stimulation company and wellhead isolation tool.
- 10. Break down perforations with 5 drums of Champion paraffin chemical mixed with 20 barrels of diesel followed by 5,000 gallons 15% HCl acid at 20 to 30 bpm. Run 120 Bio-Ball sealers (Brown or Green) evenly dispersed in the acid. Maximum allowable surface pressure is 8,500 psi. Anticipated frac gradient is 0.75 psi/ft. All fluids to contain 2% KCl substitute, scale inhibitor, biocide, and 2.0 gpt MA-844 provided by frac company. Bottom hole static temperature is 184° F at 9,545' (Mid perf). Overflush acid 10 bbls to bottom perf with 2% KCl water. Shut down. Isolate well head and continue to monitor well head pressure with stimulation company's data recorder for 15 minutes. Surge ball sealers. Leave well shut in for 60 minutes total to allow Bio-Balls to dissolve. Remove ball guns from treating line and re-pressure test treating line to 9,500 psig during shut in period.
- 11. Pump the Stage # 1 crosslinked gel frac treatment with 135,000 lbs 20/40 OptiProp per the attached schedule. All fluids to contain 2% KCl substitute, scale inhibitor, biocide, and 2.0 gpt MA-844 provided by frac company. Heat the treating water to achieve +/- 120°F the day of the frac. Tag job with three RA isotopes. RA #1 in 100 mesh; RA #2 in 1.0 and 2.0 psa; RA #3 in 3.0 and 4.0 psa. Designed pump rate is ramped up to 60 bpm; maximum surface pressure is to be 8,500 psi. Mark flush at 1.0 psa on wellhead densiometer and flush to top perf. Record ISIP, 5, 10 and 15 minute pressures. Isolate pump trucks from wellhead, rig down isolation tool.
- 12. Flow test well for 24 hours recording hourly rates and pressures.
- 13. Open circulating port and kill well. Release treating packer and POOH with 4½" frac string.
- 14. RU EL. RIH and set 5" CBP at 9,260'. Pressure test plug.
- 15. RU EL w/ 5K lubricator and test to 5,000 psi with water. RIH and shoot the intervals of Stage # 2 per the attached schedule with 3-3/8" HSC, 25 gm charges, SPF as noted and 120° phasing. Perforate first interval under 1,000 psig

- surface pressure. Record any changes in fluid level or wellhead pressure while perforating. RD WL unit. Lay and stake hardline to pit, NU chokes on casing valves.
- 16. Pick up treating packer with circulating port and RIH with 4 ½" frac string. Set packer at 8,400'±. Test frac string in hole to 8,500 psi.
- 17. MI and RU stimulation company and wellhead isolation tool.
- 18. Break down perforations with 5 drums of Champion paraffin chemical mixed with 20 barrels of diesel followed by 5,000 gallons 15% HCl acid at 20 to 30 bpm. Run 100 Bio-Ball sealers (Brown or Green) evenly dispersed in the acid. Maximum allowable surface pressure is 8,500 psi. Anticipated frac gradient is 0.75 psi/ft. All fluids to contain 2% KCl substitute, scale inhibitor, biocide, and 2.0 gpt MA-844 provided by frac company. Bottom hole static temperature is 150° F at 8,926' (Mid perf). Overflush acid 10 bbls to bottom perf with 2% KCl water. Shut down. Isolate well head and continue to monitor well head pressure with stimulation company's data recorder for 15 minutes. Surge ball sealers. Leave well shut in for 60 minutes total to allow Bio-Balls to dissolve. Remove ball guns from treating line and re-pressure test treating line to 9,500 psig during shut in period.
- 19. Pump the Stage # 2 crosslinked gel frac treatment with 135,000 lbs 20/40 Optiprop per the attached schedule. All fluids to contain 2% KCl substitute, scale inhibitor, biocide, and 2.0 gpt MA-844 provided by frac company. Heat the treating water to achieve +/- 120°F the day of the frac. Tag job with three RA isotopes. RA #1 in 100 mesh; RA #2 in 1.0 and 2.0 psa; RA #3 in 3.0 and 4.0 psa. Designed pump rate is ramped up to 60 bpm; maximum surface pressure is to be 8,500 psi. Mark flush at 1.0 psa on wellhead densiometer and flush to top perf. Record ISIP, 5, 10 and 15 minute pressures. Isolate pump trucks from wellhead, rig down isolation tool.
- 20. Flow test well for 24 hours recording hourly rates and pressures.
- 21. Open circulating port and kill well. Release treating packer and POOH laying down 4½" frac string.
- 22. RIH with RB, DC's and tubing and clean out wellbore to PBD at 12,250'. Circulate well clean.
- 23. RU slickline and run Tracer log.
- 24. Run production assembly based on well productivity.
- 25. Once production equipment has been run, release all rental equipment, RD & MO WO rig and clean location. Turn well over to pumper and turn to sales

<u> Design Treatment Schedule - Stage 1</u>

Stage #		Elapse d Time min:sec	Fluid Type	Clean Volume (gal)	Prop Conc 1 (ppg)	Prop Conc 2 (ppg)	Stage Prop. (klbs)	Slurry Rate 1 (bpm)		Proppant Type
Wellbo	re Fluid		2% KCL	6968						
1	Main frac pad	1:35	XL	2000	0.00	0.00	0.0	30.00	30.00	
2	Main frac pad	9:09	XL	14000	0.50	0.50	7.0	30.00	60.00	100-Mesh
3	Main frac pad	9:57	XL	2000	0.00	0.00	0.0	60.00	60.00	
4	Main frac slurry	15:21	XL	13000	1.00	1.00	13.0	60.00	60.00	OptiProp 20/40
5	Main frac slurry	22:17	XL	16000	2.00	2.00	32.0	60.00	60.00	OptiProp 20/40
6	Main frac slurry	28:38	XL	14000	3.00	3.00	42.0	60.00	60.00	OptiProp 20/40
7	Main frac slurry	34:17	XL	12000	4.00	4.00	48.0	60.00	60.00	OptiProp 20/40
8	Main frac flush	36:48	LINEAR 20	6350	0.00	0.00	0.0	60.00	60.00	,

Design clean volume (bbls) Design slurry volume (bbls)

1889.3 2047.1

Design proppant pumped (klbs)

142.0

Casing Configuration

Length (ft)	Segment Type	Casing ID (in)	Casing OD (in)	Weight (lb/ft)	Grade
9950	Cemented Casing	6.276	7.000	26.000	C-95
2653	Cemented Casing	4.276	5.000	18.000	C-95

Surface Line and Tubing Configuration

Length (ft)	Segment Type	Tubing ID (in)	Tubing OD (in)	Weight (lb/ft)	Grade
9000	Tubing	3.958	4.500	12.750	C-95
Total frac string	y volume (bbls)	165.9			

Total frac string volume (bbls) Pumping down Tubing

Perforated Intervals

	Interval #1	Interval #2	Interval #3	Interval #4	Interval #5
Top of Perfs - TVD (ft)	9292	9455	9572	9673	9770
Bot of Perfs - TVD (ft)	9421	9482	9622	9700	9799
Top of Perfs - MD (ft)	9292	9455	9572	9673	9770
Bot of Perfs - MD (ft)	9421	9482	9622	9700	9799
Perforation Diameter (in)	0.340	0.340	0.340	0.340	0.340
# of Perforations	33	6	12	12	24

Path Summary

Segment Type	Length (ft)	MD (ft)	TVD (ft)	Dev (deg)	Ann OD (in)	Ann ID (in)	Pipe ID (in)
Tubing	9000	9000	9000	0.0	0.000	0.000	3.958
Casing	745	9745	9745	0.0	0.000	0.000	6.276
Casing	25	9770	9770	0.0	0.000	0.000	4.276

<u>Design Treatment Schedule – Stage 2</u>

Stage #	·	Elapse d Time min:sec	Fluid Type	Clean Volume (gal)	Prop Conc 1 (ppg)	Prop Conc 2 (ppg)	Stage Prop. (klbs)	Slurry Rate 1 (bpm)	Rate 2	Proppant Type
Wellbo	re Fluid		2% KCL	6571						
1	Main frac pad	1:35	XL	2000	0.00	0.00	0.0	30.00	30.00	
2	Main frac pad	9:09	XL	14000	0.50	0.50	7.0	30.00	60.00	100-Mesh
3	Main frac pad	9:57	XL	2000	0.00	0.00	0.0	60.00	60.00	
4	Main frac slurry	15:21	XL	13000	1.00	1.00	13.0	60.00	60.00	OptiProp 20/40
5	Main frac slurry	22:17	XL	16000	2.00	2.00	32.0	60.00	60.00	OptiProp 20/40
6	Main frac slurry	28:38	XL	14000	3.00	3.00	42.0	60.00	60.00	OptiProp 20/40
7	Main frac slurry	34:17	XL	12000	4.00	4.00	48.0	60.00	60.00	OptiProp 20/40
8	Main frac flush	36:59	LINEAR 20	6804	0.00	0.00	0.0	60.00	60.00	

Design clean volume (bbls)
Design slurry volume (bbls) 2058.0

1900.1

Design proppant pumped (klbs)

142.0

Casing Configuration

Length (ft)	Segment Type	Casing ID (in)	Casing OD (in)	Weight (lb/ft)	Grade
9950	Cemented Casing	6.276	7.000	26.000	C-95
2653	Cemented Casing	4.276	5.000	18.000	C-95

Surface Line and Tubing Configuration

Length (ft)	Segment Type	Tubing ID (in)	Tubing OD (in)	Weight (lb/ft)	Grade
8400	Tubing	3.958	4.500	12.750	C-95

Total frac string volume (bbls)
Pumping down Tubing

156.5

Perforated Intervals

	Interval #1	Interval #2	Interval #3	Interval #4	Interval #5	Interval #6
Top of Perfs - TVD (ft)	8612	8734	8814	8946	9024	9148
Bot of Perfs - TVD (ft)	8699	8765	8900	8948	9100	9241
Top of Perfs - MD (ft)	8612	8734	8814	8946	9024	9148
Bot of Perfs - MD (ft)	8699	8765	8900	8948	9100	9241
Perforation Diameter (in)	0.340	0.340	0.340	0.340	0.340	0.340
# of Perforations	18	12	24	6	26	18

Path Summary

Segment Type	Length (ft)	MD (ft)	TVD (ft)	Dev (deg)	Ann OD (in)	Ann ID (in)	Pipe ID (in)
Tubing	8400	8400	8400	0.0	0.000	0.000	3.958
Casing	748	9148	9148	0.0	0.000	0.000	6.276

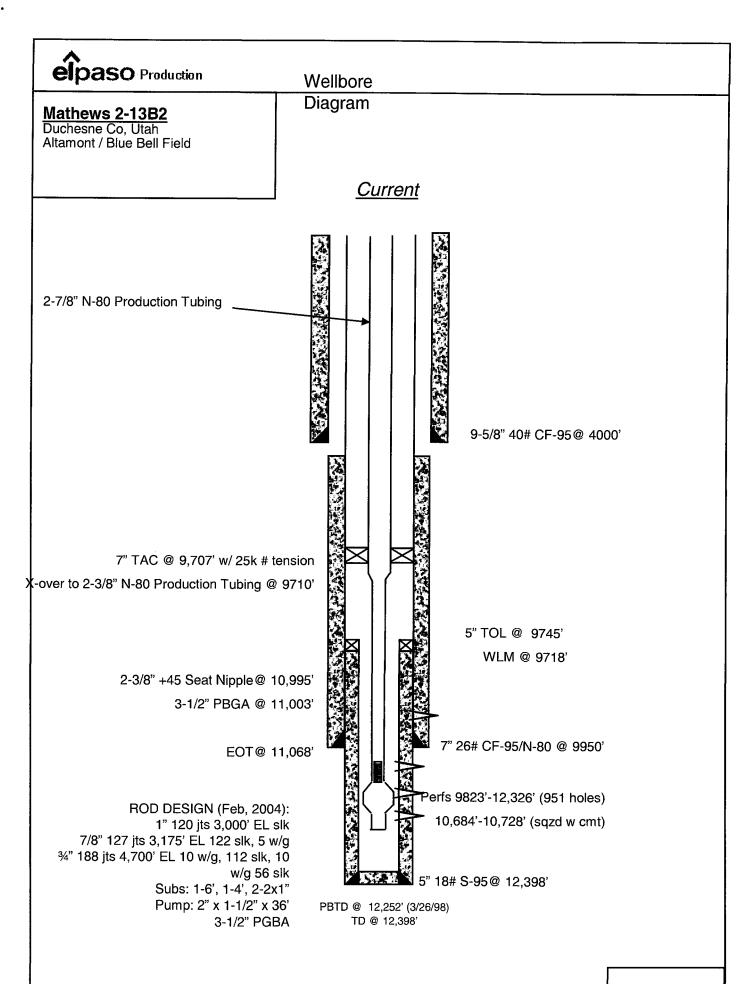
Matthews 2-13B2

PERFORATION SCHEDULE - GREEN RIVER FORMATION

Open Hole Reference Log: Schlumberger DLL - Dated 10/17/92

Additional Infill Perfs - 2/5/93

Depth	Depth	SPF	Cum Shots	Depth	Depth	SPF	Cum Shots	Depth	Depth	SPF	Cum Shots
9,292	9,293	2	2	8,612	8,614	2	4				
9,297	9,298	2	4	8,628	8,629	2	6				_
9,320	9,321	2	6	8,640	8,642	2	10				
9,327	9,328	2	8	8,678	8,680	2	14				
9,339	9,340	2	10	8,697	8,699	2	18				
9,346	9,347	2	12	8,734	8,736	3	24				
9,351	9,352	2	14	8,763	8,765	3	30				
9,364	9,365	2	16	8,814	8,816	2	34				
9,373	9,374	2	18	8,830	8,832	2	38				
9,382	9,384	2	22	8,839	8,842	2	44				
9,386	9,387	2	24	8,846	8,847	2	46				
9,398	9,400	2	28	8,870	8,872	2	50				
9,420	9,421	2	30	8,898	8,900	2	54				
9,455	9,456	3	33	8,946	8,948	3	60	· · · · · · · · · · · · · · · · · · ·			
9,481	9,482	3	36	9,024	9,026	2	64				
9,572	9,573	3	39	9,037	9,038	2	66				
9,578	9,579	3	42	9,048	9,049	2	68				
9,609	9,610	3	45	9,053	9,054	2	70				
9,621	9,622	3	48	9,058	9,059	2	72				<u> </u>
9,673	9,674	6	54	9,068	9,069	2	74				
9,699	9,700	6	60	9,087	9,090	2	80				
9,770	9,771	6	66	9,095	9,096	2	82				
9,780	9,781	6	72	9,098	9,100	2	86				
9,786	9,787	6	78	9,148	9,149	3	89				
9,798	9,799	6	84	9,172	9,173	3	92				
				9,175	9,176	3	95				
				9,192	9,193	3	98				
				9,208	9,209	3	101				<u> </u>
				9,240	9,241	3	104				
					0,211		104				
							 				+
							 				
											
									1		-



	STATE OF UTAH DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS AND			5. LEASE DESIGNATION	FORM 9
	2.7.0,0,10,112			FEE	
SUNDRY	Y NOTICES AND REPOR	TS ON WELI	LS	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME:
Do not use this form for proposals to drill i drill horizontal I	new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DRI	v current bottom-hole depti ILL form for such proposal:	n, reenter plugged wells, or to s.	7. UNIT or CA AGREEME	NT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTHER	R		8. WELL NAME and NUM MATTHEWS 2-	
2. NAME OF OPERATOR: EL PASO E&P COMPAN	YLP			9. API NUMBER: 4301331357	
3. ADDRESS OF OPERATOR: 1099 18TH ST SUITE 1900 CIT	DENVER STATE CO		PHONE NUMBER: (303) 291-6417	10. FIELD AND POOL, O BLUEBELL	R WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 858' F	NL & 1098' FWL			COUNTY: DUCHE	SNE
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: NWNW 13 T2S	R2W		STATE:	TAH
11. CHECK APP	ROPRIATE BOXES TO INDIC.	ATE NATURE (OF NOTICE, REPO	ORT, OR OTHER I	DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE ALTER CASING	DEEPEN FRACTURE 1	TREAT	REPERFORATE SIDETRACK TO	CURRENT FORMATION REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONST		TEMPORARILY A	
	CHANGE TO PREVIOUS PLANS CHANGE TUBING	OPERATOR (UENT OR FLARE	
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOS	
Date of work completion:	CHANGE WELL STATUS COMMINGLE PRODUCING FORMATION		N (START/RESUME) ON OF WELL SITE	WATER SHUT-O	FF
11/22/2008	CONVERT WELL TYPE	✓ RECOMPLET	E - DIFFERENT FORMATION		
	OMPLETED OPERATIONS. Clearly show a	all pertinent details incl	uding dates, depths, volur	nes, etc.	
vvork performed 10/28/08		2TH (ft)	Shots Per	Perf Diameter	la di manada di
ormation _	Green River MEASURED	TRUE VERTIC		<u>(in)</u>	Total Perfs
ormation Type:	Sandstone 8,647 - 8,665	8,647 - 8,60		0.36	18
epth to Middle Perforation	8925.5 ft 8,744 - 8,756	8,744 - 8,7		0.36	24

Bottom Hole Fracture Pressure

6208 psi Bottom Hole Static Temperature 150 ° F

	TH (ft)	Shots Per	Perf Diameter	e in a second
MEASURED	TRUE VERTICAL	Foot	(in)	Total Perfs
8,647 - 8,665	8,647 - 8,665	1	0.36	18
8,744 - 8,756	8,744 - 8,756	1	0.36	12
8,845 - 8,869	8,845 - 8,869	1	0.36	24
8,946 - 8,948	8,946 - 8,948	3	0.36	6
9,049 - 9,075	9,049 - 9,075	1	0.36	26
9 186 - 9 204	9 186 - 9 204	1	0.36	18

Top **Bottom**

Casing (6.276" I.D.) 26# 0 9950 **Tubing** O.D." (3.826" I.D.) 15.5# 8396

See attached for further details.

NAME (PLEASE PRINT) MARIE OKEEFE SR REGULATORY ANALYST 9 mo 2/**30**/2009

(This space for State use only)

RECEIVED

FEB 1 0 2009

Operator Name: Well Name: Job Description: El Paso Production Mathews 2-13B2 Stg. 2

Lightning 2400 November 14, 2008



Proposal No: 179971845B Field Receipt No: 1001386914

SECTION II - MATERIAL UTILIZATION

VOLUMES

Date:

	Clean Volumes			
Label	Proposed	Actual	Unit	
Pad	16,140	17,716	gals	
Treating Fluid	69,000	67,109	gals	
Flush	5,708	5,380	gals	
Load To Recover		90,205	gals	
Load To Necover		2,148	bbls	

PROPPANT

Size & Type	Proposed	Actual	Unit
White, 100m	7,000	4,751	lbs.
Tempered LC, 20/40	135,000	135,146	lbs.
Total Proppant	142,000	139,897	lbs

ADDITIVES

Product Name	Proposed	Actual	Unit
GW-3LD	540	520	Gal.
BF-7L	178	175	Gal.
XLW-32	85	83	Gal.
MA-844W	180	170	Gal.
Claytreat 3C	90	90	Gal.
CRB-LT	164	170	Lb.
GBW-5	21	25	Lb.
PSI-720	90	80	Lb.

Operator Name: Well Name:

El Paso Production Mathews 2-13B2 Stg. 2

Lightning 2400

Job Description: Date:

November 14, 2008



Proposal No: 179971845B Field Receipt No: 1001386914

SECTION III - TREATMENT SCHEDULE

PROCEDURE

		Fluid	Prop	Conc.	Clean Volume			
Stage	Туре	Stage Label	Prop.	Act.	Proposed	Actual	Units	
1	Acid	15% HCI	0	0	5,000	6,804	gals	
2	Lightning 10	10PPT Linear Gel	0	0	7,140	6,913	gals	
3	Lightning 24	Pad	0	0	2,000	1,999	gals	
4	Lightning 24	100 M Sand	0.5	0.5	14,000	14,001	gals	
5	Lightning 24	Spacer	0	0	2,000	1,999	gals	
6	Lightning 24	1# Sand	1	1	13,000	13,000	gals	
7	Lightning 24	2# Sand	2	2	16,000	16,000	gals	
8	Lightning 24	3# Sand	3	3	14,000	14,002	gals	
9	Lightning 24	4# Sand	4	4	12,000	10,106	gals	
10	Water	Flush	0	0	5,708	5,380	gals	

COMMENTS

Operator Name: Well Name:

El Paso Production Mathews 2-13B2 Stg. 2

Job Description:

Lightning 2400

Date:

November 14, 2008



Proposal No: 179971845B Field Receipt No: 1001386914

SECTION IV - FRACTURE HYDRAULICS

PARAMETERS

Parameter	Proposed	Actual	Unit
Average Injection Rate	53	59	bpm
Average Surface Treating Pressure	5,119	6,302	psi
Maximum Injection Rate	60	60	bpm
Maximum Surface Treating Pressure	5,874	6,446	psi

TREATMENT PARAMETERS

Wellhead Pressure **Break Pressure Break Rate**

Post-Frac Data						
ISIP ≈	2589	psi				
5 Min	2343	psi				
10 Min	2202	psi				
15 Min	2121	psi				

1210 psi 4405 psi 5.1 bpm

Pre-Frac Data						
ISIP =	2337	psi				
5 Min	1921	psi				
10 Min	1856	psi				
15 Min	1810	psi				

RESERVOIR DATA

Formation Formation Type Measured Depth to Middle Perforation True Vertical Depth to Middle Perforation Diagnostic ISIP Gradient Diagnostic Bottom Hole ISIP Post-Treatment ISIP Gradient Post-Treatment Bottom Hole ISIP

Green River Sandstone 8925.5 ft. 8925.5 ft. 0.696 psi/ft 6208 psi 0.724 psi/ft 6460 psi



Page 1 of 4

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

10/27/2008

Spud Date: 6/10/1992

Event Name:

RECOMPLETION NABORS DRILLING Start: Rig Release: 11/23/2008 End: 11/22/2008

Contractor Name: Rig Name:

NABORS

Rig Number: 1431

Group:

Rig Name:	e: NABORS Rig Number: 1431							NABORS		
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations				
10/28/2008	07:00 - 18:00	11.00	С			H.S.M. ROAD RIG FROM 2-18B1 TO 2-13B2. WORK ON ROTAFLEX BRAKE, LA BRAKE WOULD NOT RELEASE, AND MANUAL BRAKE WAS MISSING BRAKE PAD. R/D ROTAFLEX SILE UNIT. M.I.R.U. W/O RIG. HOT OILER PMPED 100 BLS 2% KCL DN CSNG. UNSEAT PMP, L/D POLISH RD & PONY RODS, 6', 4', 4', 2',2' X 1". R/U & FLUSH TBNG W/60 BLS 2% KCL. TOOH W/ 121-1" RDS. L/D 23-7/8" SLK RDS, TOOH W/ 104- 7/8" SLK 5-7/8" W/G. 20-3/4" W/G, L/D 31- 3/4" SLK RDS. TOOH W/ 80- 3/4" SLK RDS. L/D 56- 3/4" SLM HOLE				
10/29/2008	07:00 - 19:00	12.00	С			GUIDES. L/D 1 1/4" ROD PMP. X-O TO TBNG EQ. N/D W/H. RELEASE T.A.C. N/U B.O.P. RU WORK FLOOR. S.W.I.F.N. H.S.M. CSIP-200#, TSIP-SLT VAC, B.O.W. TOOH STRAPPING 306-JNTS 2 7/8" TBG, 7" T.A.C., X-O 2 7/8" EUE X 2 3/8" EUE, 40 JNTS 2 3/8" TBG. L/D 2 3/8" PSN, 6'- 2 3/8" TBG SUB, 3 1/2" P.B.G.A., 1-JNT 21 3/8" TBG, 2 3/8" SOLID PLUG,. MU & TIH W/ 7" RBP, RETRIEVING TOOL, 6' 2 7/8" TBG SUB, 7" PKR, 305- JNTS 2 7/8" TBG, SET 7" RBP @ 9,662". POOH W/ 2- JNTS 2 7/8" TBG SET 7" PKR @ 9,604". R/U PMP LINES, FILL TBG W/ 52 BLS T.P.W., TEST TOOLS & CSNG TO				
10/30/2008	07:00 - 19:30	12.50	С			1500#. GOOD TEST. B.O. TBG. FILL & TEST CASING W/ 275 BLS T.P.W., TEST CASING TO 1,500#. GOOD TEST. B.O. CSNG. RELEASE 7" PACKER S.W.I.F.N. EOT @ 7609'. H.S.M. CSIP-O#. TSIP-O#. RIH W/ 2 JNTS 2 7/8" TBG, LATCH ONTO & RELEASE 7" RBP @ 9662'. TOOH W/ 305 JNTS 2 7/8" TBG, 7" PKR, 6'- 2 7/8" TBG SUB, RETRIEVING TOOL, 7" RBP. M/U TIH W/ 5" PKR, 41-JNTS 2 3/8" TBG, X-O 2 7/8" EUE X 2 3/8" EUE, 2 7/8" P.S.N., 265 JNTS 2 7/8" TBG, FOUND 5" LINER TOP @ 9728'. CONT TIH W/ 32 JNTS 2 7/8" TBG, STACKED OUT @10,720', SET 15,000# DOWN TOOK 10,000# OVER STRING WIEGHT TO PULL FREE, TOOH W/30				
10/31/2008	07:00 - 17:00	10.00	С			JNTS 2 7/8" TBG. SET 5" RBP @9800'. GET OFF RBP, POOH W/ 2 JNTS 2 7/8" TBG, EOT @ 9750'. R/U PMP & LINES, FILL CSNG W/ 350 BLS T.P.W. PRESS TEST CSNG TO 1,500#. GOOD TEST. B.O.W. S.W.I.F.N. H.S.M. CSIP-0#. TSIP-0#. RIH W/ 2 JNTS 2 7/8" TBG. LATCH ONTO & RELEASE 5" RBP @ 9800'. TOOH W/ 267- JNTS 2 7/8" TBG. 2 7/8" PSN. X-0 2 7/8" EUE X 2 3/8" EUE. 41 JNTS 2 3/8" TBG, L/D 5" PKR, 4' 2 3/8" PUP JNT, RETRIEVING TOOL, 5" RBP. M/U & RIH W/ 4 1/8" ROCK BIT, 5" SCRAPPER, X-0 2 3/8" EUE X 2 7/8" REG, 2-JNTS 2 3/8"				
11/1/2008	07:00 - 16:30	9.50	С			TBG, P/U & RIH W / 45 JNTS 2 3/8" TBG. CONT TIH W/ 2 3/8" PSN, 39 JNTS 2 3/8" TBG, X-0 2 7/8"EUE X 2 3/8" EUE, 2 7/8" PSN, 219- JNTS 2 7/8" TBG. S.W.I.F.N. EOT @9669.90. H.S.M. CSIP-0#. TSIP-50#. B.O.W. TIH W/2-JNTS 2 7/8" TBG. TAG & ENTER LINER TOP @ 9728' CONT TIH W/80 JNTS 2 7/8" TBG. WORKING TBG UP & DN THROUGH TIGHT @ 11,246'. TOOK 100,000# TO PULL THROUGH, WORK TBG & CLEAN UP TIGHT SPOT. CONT TIH & TAG FILL @ 12,215'. TOOH W/301 JNT 2 7/8" TBG, 2 7/8" PSN, X-0 2 7/8" EUE X 2 3/8" EUE, 39-JNTS 2 3/8" TBG,				
11/2/2008 11/3/2008 11/4/2008	- - 11:00 - 19:30	8.50	С			L/D 2 3/8" PSN, 45-JNTS 2 3/8" TBG. CONT TOOH W/ 2-JNTS 2 3/8"TBG. L/D X-0 2 3/8" EUE X 2 3/8"REG, 5" SCRAPPER, 4 1/8" ROCK BIT. S.D.F.W.E. SHUT DOWN FOR WEEKEND SHUT DOWN FOR WEEKEND. H.S.M. CSIP-400#. B.O.W. WAIT ON W/L TRK. R/U W/L TRK RIH & SET 5" CIBP @ 10,028' TOP OF PLUG. MAKE 3 BAILER RUNS & DUMP BAIL 55' (5-SX CMNT) ON TOP OF CIBP. RIH & SET 5" CBP				





Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Contractor Name:

Common Well Name: MATHEWS 2-13B2

Event Name: RECOMPLETION

NABORS DRILLING

Start:

10/27/2008

Rig Release: 11/23/2008

End:

Spud Date: 6/10/1992 11/22/2008

Group:

Rig Name:		NABOR:		JING	Rig Number: 1431
Date	From - To	Hours	Code	Sub Code	Phase Description of Operations
11/4/2008	11:00 - 19:30	8.50	С		@9,810'. POOH W/ WL. LEAVE WL TRUCK RIGGED UP. R/U PMP & LINES, FILL CSNG W/ 349 BLS 2% KCL. PRESS TEST CSNG TO 1,500# (GOOD TEST). B.O.W. SWIFN.
11/5/2008	07:00 - 18:30	11.50	С		H.S.M. CSIP-10#. B.O.W. RIH W/ PERFERATING GUNS, MADE A TOTAL OF 3 GUN RUNS, AND SHOT A TOTAL OF 84 HOLES BETWEEN 9.291' TO 9,797'. R/D W.L. TRK. SPOT IN PIPE RACKS & CAT WALK. UNLOAD 4 1/2" HYDRILL TBG. R/U 4 1/2" EQ, TONGS, SLIPS, PIPE RAMS, ELEVATORS, ECT. P/U 7" TRTING PKR, X-0 4 1/2" PH-6 HYDRILL X 2 7/8" EUE, P/U 23- JNTS 4 1/2" PH-6 HYDRILL TBG. S.W.I.F.N. EOT @710'.
11/6/2008	07:00 - 15:00	8.00	С		H.S.M. CSIP-700#. TSIP-300#. B.O.W. R/U HOT OIL TRK TO TBG, RETURN CSNG TO FLAT TNK, CIRC WELL W/ 20 BLS 2% KCL TO CLEAN OIL OUT OF WELL BORE. STEAM OFF RIG FLOOR, R/D HOT OIL TRK. CONT RIH P/U 151 JNTS 4 1/2" PH-6 HYDRIL. S.W.I.F.N. EOT @ 5,466'.
11/7/2008	07:00 - 16:30	9.50	С		H.S.M. CSIP-700#. TSIP-300#. B.O.W. CONT TIH P/U 85 JNTS 4 1/2" PH-6 HYDRIL 15.5#. P-105 TBNG. TBNG ELEVATORS STARTED SLIPPING OVER UPSETS. S.D AND WAITED FOR NEW ELEVATOR, FROM WEST STATES CSNG SERV. CONT RIH P/U 50 JNTS 4 1/2" PH-6 HYDRIL TBNG. ADD 6'-4 1/2" PH-6 HYDRIL TBNG SUB. SET 7" TREATING PKR @8993'. W/ 65 K COMPRESSION. R/U PMP & LINES TO CSNG FILL W/ 2 BLS 2% KCL, PRESS TEST CSNG & PKR TO 1,500#. GOOD TEST. S.W.I.F.N.
11/8/2008 11/9/2008 11/10/2008 11/11/2008	- 07:00 - 21:00 00:00 - 07:00 - 18:30	14.00			SHUT DOWN FOR THE DAY WAITING ON FRAC H.S.M. CSIP-O#, TSIP-1850#. STEAM OFF WORK AREA W/ HOT OILER. SPOT 275 GAL PARIFIN CHEM MIXED W/ 840 GAL DIESEL IN TBG W/ HOT OILER. WAIT FOR BJ FRAC TRUCKS TO MOVE IN & R/U. RUN PMP LINE TO CSNG TO HOLD 1000# ON CSNG W/ RIG PMP DURING FRAC JOB. PRESS TESTED FRAC CREWS PMP LINES TO 9500#. GOOD TEST. STARTED BREAK DOWN ON PERFS BY PMPING DN 4 1/2" TBG W/ 275 GAL OF CHEM, W/ 840 GAL DIESEL, 5000 GAL 15% HCI ACID, W/ 120 BOI BALLS, PERFS BROKE @ 5702#, HAD GOOD BALL ACTION ACROSS PERFS. I.S.I.P. WAS 4282#. 5 MIN S.I.P. 4233#, 10 MIN S.I.P. 4196#. 15 MIN S.I.P. 4173#. WAITED 1 HOUR FOR BIO BALLS TO DISOLVE. REMOVED BALL GUNS FROM TREATING LINES. AND RE PRESS TESTED TO 9500#. GOOD TEST. CONT TO PMP STAGE 1 W/ 147,979# OF SAND MIXED W/ 2,358 BLS OF SLURRY. @ AVERAGE RT OF 53.1 B.P.M. AND AVERAGE FRAC PRESS OF 7343#. I.S.I.P. WAS 4555#. 5 MIN S.I.P. WAS 4352#. 10 MIN S.I.P. WAS 4243. 15 MIN S.I.P. WAS 4203#. R/D FRAC SEVICES PMP LINES. R/U FLOW BACK LINES TO FLOW BACK TNK. BEGIN FLOWING BACK ON A 10 CHOKE. TURN OVER TO PRRODUCTION FLOW BACK CREWS. S.D.F.N. SHUT DOWN FOR SUNDAY H.S.M. CSIP-0#. TFP-50#. S/I TBG RELEASE 7" PKR, @8993'.
11/12/2008	07:00 - 18:30	11.50			REVERSE CIRC. 260 BLS 2% KCL.PMP 60 BLS CONTINUALL. WELL DEAD. R/D FRAC VLVE, REMOVE 6' 4 1/2" TBG SUB. POOH STNDING BACK 110 JNTS 4 1/2" TBG. CONT POOH LAYING DN 148 JNTS 4 1/2" PH-6 HYDRIL. NABORS HAD DN TIME, RIG BLEW UP RADIATOR HOSE ON RIG. REPAIRED HOSE. CONT POOH L.D. 28 JNTS 4 1/2" PH-6 HYDRIL. X-0 4 1/2" PH-6 HYDRIL X 2 7/8" EUE, 7"HD PKR. S.W.I.F.N. H.S.M. CSIP-400#. B.O.W. R/U W.L. TRK RIH SET 7" 10K CBP. @



Page 3 of 4

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

Event Name: Contractor Name:

Rig Name:

RECOMPLETION

NABORS DRILLING **NABORS**

Start:

10/27/2008

Spud Date: 6/10/1992

End:

11/22/2008

Group:

Rig Release: 11/23/2008

Rig Number: 1	431
---------------	-----

Date	From - To	Hours	Code	Sub	Phase	Description of Operations
				Code	FIIGOC	Description of Operations
11/12/2008	07:00 - 18:30	11.50	С			9260'. R/U PMP LINE TO CSNG FILL W/ 10 BLS 2% KCL, PRESS TEST C.B.P. TO 1500#. GOOD TEST. B.O.W. RIH W/ 4 PERFERATING RUNS. PERFERATING 2ND STAGE OF GREEN RIVER FORMATION FROM 8,611' TO9,240', SHOT 104 HOLES. R/D W.L. TRK. M/U & TIH W/7" HD WEATHERFORD PKR. X-0 4 1/2" HYDRIL X 2 7/8" EUE. 111 JNTS 4 1/2" PH-6 HYDRIL TBNG. EOT@
11/13/2008	07:00 - 17:00	10.00	С			3506'. S.W.I.F.N. H.S.M. CSIP-300#, TSIP-300#. B.O.W. R/U PMP & LINES, PMP 40 BLS 2% KCL, FOLLOWED BY 20 BLS 10# BRINE DN TBNG. CONT P/U & RIH W/ 156 JNTS PH-6 HYDRIL, 6'-4 1/2" PH-6 HYDRIL PUP JNT. INSTALL FRAC VALVE ON TBG, SPOT 850 GAL DIESEL, W/ 275 GAL PARIFIN SOLV, FOLLOWED BY 3 BLS 2% KCL, INSIDE TBNG W/ RIG PMP, SET 7" WEATHERFORD H.D. PKR. @ 8396'. SET IN 50K COMP. FILL CSNG W/ 5 BLS 2% KCL, PRESS TEST CSN TO 1000#, GOOD TEST. B.O. CSNG. S.W.I DRAIN UP PMP & LINES.
11/14/2008 11/15/2008	- 07:00 - 13:30	6.50	С			SHUT DOWN WAIT ON FRAC IN A.M. HEATING FRAC TNKS. H.S.M. R/U BJ FRAC EQUIPTMENT, PRESS UP ON CSNG W/ RIG PMP TO 1,000#, AND HOLD PRESS DURING FRAC JOB. TSIP- 1,200#. PRESS TEST BJ LINES TO 9,500#. 275 GAL, OF PARIFIN CEM. & 850 GAL. OF DIESEL ALREADY LOADED IN TUBING. PUMP BREAK DOWN ON 2ND STAGE OF LGR, PMP 18 BLS 2% KCL AND PERFS BROKE @ 4,405#. WENT TO ACID, PMPED 5,000 GAL HCI ACID, W/100 BIO BALLS EVENELY DISPLACED. THEN WENT TO FLUSH & PMPED 162 BLS 2% KCL. I.S.I.P. WAS 2337#, 5 MIN SIP=1921#, 10 MIN SIP=1856#, 15 MIN SIP=1810#. REMOVED BALL GUNS DURING S.I. PERIOD. REPRESSURE TESTED PMP LINES TO 9,500#. WAITED 1 HOUR FOR BIO BALLS TO DISOLVE. PMPED FRAC JOB AS TO 2ND STAGE PROCEEDURE. I.S.I.P. WAS 2589#. 5 MIN SIP=2343#. 10 MIN SIP=2202#. 15 MIN SIP=2121#. JOB TREATING AVERAGES WERE, 59.1 BPM, @ 6302#. R/D PMP LINES & FRAC EQUIPTMENT. R/U FLOW BACK LINES TO FLOW BACK TANK. INSTALL A 12/64 POSSITIVE CHOKE. OPEN WELL UP, AND BEGIN FLOW BACK W/1300# ON TBNG. TURN OVER TO PRODUCTION. S.D.F.N.
11/16/2008 11/17/2008	-					S.D.F.W.E. PRODUCTION FLOWING BACK 2ND STAGE FRAC. PRODUCTION RESPONSABLE FOR FLOWING BACK 2ND STAGE
11/18/2008	07:00 - 17:00	10.00	С			FRAC. RIG S.D.F.W.E. H.S.M. CSIP-0#, TFP-100#, SWI, R/D FLOW BACK LINES, RELEASE 7" PKR @ 8396', R/U PMP & LINES, PMP 30 BLS 10# BRINE DN TBG, IT DID NOT KILL WELL, FLOWED BACK 30 BLS 10# BRINE INTO FLAT TNK. REVERSE CIRC W/ 110 BLS 2% KCL, THEN PMPED 30 BLS 10# BRINE DN TBG, WELL DEAD. WORKED ON BASICS CAT WALK, IT WOULD NOT STAY RUNNING. BROKE OUT 4 1/2" FRAC VALVE, L/D 6' 4 1/2" PH-6 HYDRIL PUP JOINT, L/D 166 JNTS OF 4 1/2" PH-6 HYDRIL, EOT @ 3189'. TIED CSNG INTO FLOWLINE TO
11/19/2008	07:00 - 19:00	12.00	С			VENT TO TRTER ON 14/64 CHOKE OVERNIGHT. SHUT TBNG IN. DRAIN UP PMP & LINES. S.D.F.N. H.S.M. CFR-50#. TSIP-300#. R.U PMP & LINES B.O.W. CIRC WELL CONV. W/ 70 BLS 2% KCL, FOLLOWED BY 20 BLS 10# BRINE. KILLED WELL. CONT POOH L/D 101 JNTS 4 1/2" PH-6 HYDRIL, X-0 4 1/2" PH-6 HYDRIL X 2 7/8" EUE, 7" WEATHERFORD HD PKR. R/D 4 1/2" EQUIPTMENT, TONGS, SLIPS, PIPE RAMS, ECT. R/U 2 3/8" EQUIPTMENT. WELL STARTED FLOWING PMPED 20 BLS 2% KCL,



Page 4 of 4

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

Start:

Spud Date: 6/10/1992 End: 11/22/2008

Event Name: Contractor Name: RECOMPLETION NABORS DRILLING

10/27/2008 Rig Release: 11/23/2008

Rin Name:

NARORS

Group:

Rig Name:	ı	NABOR:	S			Rig Number: 1431
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/19/2008	07:00 - 19:00	12.00	С			FOLLOWED BY 60 BLS 10# BRINE DOWN CSNG. TIH W/40 JNTS 2 3/8" EUE TBNG EOT @1282', R/U & CIRC CONV W/ 50 BLS 10# BRINE. POOH L/D 40 JNTS 2 3/8" TBG. CHANGE OVER TO 2 7/8" EQUIPTMENT. TIH W/ 2 7/8" TBG COLLER, 94 JNTS 2 7/8" EUE TBG. EOT @ 3058'. R/U LINE TO VENT CSNG TO TRTR ON 14/64 CHOKE. DRAIN UP PMP & LINES, S.D.F.N.
11/20/2008	07:00 - 18:00	11.00	С			H.S.M. CFP-50#. TSIP-150#. R/U HOT OILER TO TBG PMP 35 BLS 2% KCL. R/D HOT OILER TRK. R/U SLICK LINE TRK W/ PROTECHNICS TRACER LOGGING TOOL. RIH TAG FILL @ 9200', 7" CBP @ 9260'. LOG THROUGH 2ND STAGE OF LOWER GREEN RIVER. LOGGED SHOWED GOOD COVERAGE W/ FRAC SAND THROUGH ALL THE PERFS OF 2ND STAGE. POOH W/ LOGGING TOOL. R/D SLICK LINE TRK. R/U PMP & LINES CIRC WELL CONV W/ 120 BLS 2% KCL. POOH W/ KILL STRING L/D 32 JNTS 2 7/8" EUE TBG. CONT TOOH W/62 JNTS 2 7/8" EUE TBG. M/U & TIH W/ BHA AS FOLLOWS, 2 7/8" SOLID PLUG, 2-JNTS 2 7/8" EUE TBG, 4 1/2" PBGA, 6'-2 7/8" TBG SUB, 2 7/8" PSN, 7- JNTS 2 7/8" EUE TBG, 7" TAC, 228-JNTS 2 7/8" TBG, DRAIN UP PMP & LINES. S.D.F.N. EOT @ 7547'. VENT CSNG TO TRTR ON 14/64 CHOKE.
11/21/2008	07:00 - 17:30	10.50	С			H.S.M. CFP-80#. TSIP-80#. R/U PMP & LINES CIRC WELL CONV W/ 200 BLS 2% KCL. THEN REV CIRC WELL WITH 150 BLS 2% KCL. THEN PMPED 20 BLS 10# BRINE DN TBG TO KILL WELL. CONT TIH W/ 36-JNTS 2 7/8" TBG, 4' TBG SUB, AND LANDED TBG HANGER. N/D B.O.P. SET TAC @ 8580'. IN 20,000# TENTION. PSN @ 8580'. EOT @ 8684'. REMOVED 4' TBG SUB, LAND TBG HANGER. R/U WH & FLOWLINE. X-0 TO ROD EQUIPTMENT. FLUSH TBG W/ 70 BLS 2% KCL, STEAMED OFF TOOLS, EQUIPTMENT & CELLAR W/ HOTOILER. P/U & RIH W/ 2 1/2" X 1 3/4" X 36' 60 RING PA ROD PMP, 24-1" RDS W/G, CONT TIH W/ 63-3/4" SLK RDS, 15-3/4" RDS W/G, 17-3/4" SLK RDS, 4-3/4" RDS W/G, 5- 7/8" RDS W/G, 100-7/8" SLK RDS, 63-1" SLK RDS. P/U POLISH RD, S.D.F.N. WELL OPEN TO TRTR.
11/22/2008	07:00 - 15:00	8.00	С			H.S.M. TFP-50#. CFP-50#. R.U PMP & LINES TO TBG, PMP 10 BLS, 10# BRINE TO KILL TBG. CONT TIH W/ 51-1" SLK RDS. SPACE OUT W/ 2', 4', 6' X 1" PONY RODS. P/U POLISH ROD SEAT PMP. FILL TBG W/ 2 BLS 2% KCL. PRESS & STROKE TEST TO 1,000#. GOOD TEST. R/D RIG, SLIDE & R/U ROTOFLEX P/U. P.O.P. CLEAN UP LOCATION. S.D.F.W.E.
11/23/2008	06:30 - 11:00	4.50	С			WAIT ON ORDERS. (RELEASED RIG). CLEAN UP FLAT TANK & PMP W/ HOT OILER. ROAD RIG FROM MATHEWS 2-13B2 TO ROOSEVELT YARD.

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL 8. WELL NAME and NUMBER: OIL WELL 🔽 GAS WELL OTHER MATTHEWS 2-13B2 2. NAME OF OPERATOR: 9. API NUMBER: EL PASO E&P COMPANY LP 4301331357 10. FIELD AND POOL, OR WILDCAT: PHONE NUMBER: 3. ADDRESS OF OPERATOR: ZIP 80202 **BLUEBELL** 1099 18TH ST SUITE 1900 $_{
m CITY}$ DENVER STATE CO (303) 291-6417 4. LOCATION OF WELL FOOTAGES AT SURFACE: 858' FNL & 1098' FWL COUNTY: DUCHESNE QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 13 T2S R2W STATE: **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION **ACIDIZE** NOTICE OF INTENT ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL (Submit in Duplicate) Approximate date work will start: TEMPORARILY ABANDON NEW CONSTRUCTION CASING REPAIR TUBING REPAIR CHANGE TO PREVIOUS PLANS OPERATOR CHANGE **CHANGE TUBING** PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT WATER DISPOSAL CHANGE WELL NAME PLUG BACK (Submit Original Form Only) PRODUCTION (START/RESUME) CHANGE WELL STATUS WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE 11/22/2008 CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. El Paso performed a recompletion to LGR and frac 10/28/2008 - 11/22/2008. Please see attachment for details. NAME (PLEASE PRINT) MARIE OKEEFE SR REGULATORY ANALYST

(This space for State use only)

RECEIVED MAR 1 0 2009

3/4/2009

DATE

Operator Name: El Paso Production Well Name:

MATTHEWS #2-13B2

Job Description: LIGHTNING 2400 -135k - TLC 20/40

Date:

November 3, 2008



Proposal No: 179971845A

WELL DATA

RESERVOIR DATA

Green River, Lower **Formation** Sandstone **Formation Type Depth to Middle Perforation** 10,378 ft **Fracture Gradient** 0.75 psi/ft 7,784 psi **Bottom Hole Fracture Pressure** 184 ° F

PERFORATED INTERVAL

Bottom Hole Static Temperature

DEP	TH(ft)	Perf Diameter	Total Perfs
MEASURED	TRUE VERTICAL	(in)	
9,292 - 9,421	9,292 - 9,421	0.34	33
9,455 - 9,482	9,455 - 9,482	0.34	6
9,572 - 9,622	9,572 - 9,622	0.34	12
9,673 - 9,700	9,673 - 9,700	0.34	12
9,770 - 9,799	9,770 - 9,799	0.34	24

87 **Total Number of Perforations** 540 ft **Total Feet Perforated**

TUBULAR GEOMETRY				<u> Top</u>	<u>Bottom</u>
Casing	7" O.D.	(6.276" .I.D)	26 # N-80	0	9,950
Liner	5" O.D.	(4.276" .I.D)	18 # C-95	9,745	12,398
Tubing	4 1/2" O.D.	(3.958" .I.D)	12.75 # N-80	0	9,000

10,400 ft **Packer Depth** 9,000 ft **End of Tubing Tubing Pump Via**

Confirm well and tubular data with customer data prior to pumping. BHT is estimated.

Operator Name: El Paso Production Well Name:

MATTHEWS #2-13B2

Job Description: LIGHTNING 2400 -135k - TLC 20/40

Date:

November 3, 2008

LOWER GREEN RIVER



Proposal No: 179971845A

Surface Treating Pressure (r	6,586 psi	
Total Rate (max)		60.00 bpm
Estimated Pump Time (HH:N	00:43	
Acid	5,000 gals	15% HCL
Acid Flush	7,408 gals	10PPT LINEAR GEL
Treatment Fluid	73,000 gals	LIGHTNING 2400
Flush Fluid	6,350 gals	10PPT LINEAR GEL
Proppants	7,000 lb	Sand, White, 100 mesh
	135,000 lb	Tempered LC, 20/40

Operator Name: Well Name:

El Paso Production Mathews 2-13B2 Stg. 2

Job Description:

Date:

Lightning 2400 November 14, 2008



Proposal No: 179971845B Field Receipt No: 1001386914

SECTION I - WELL DATA

RESERVOIR DATA

Formation Green River
Formation Type: Sandstone
Depth to Middle Perforation 8925.5 ft
Fracture Gradient 0.696 psi/ft
Bottom Hole Fracture Pressure 6208 psi
Bottom Hole Static Temperature 150 ° F

PERFORATED INTERVAL

DEP	TH (ft)	Shots Per	Perf Diameter	
MEASURED	TRUE VERTICAL	Foot	(in)	Total Perfs
8,647 - 8,665	8,647 - 8,665	1	0.36	18
8,744 - 8,756	8,744 - 8,756	1	0.36	12
8,845 - 8,869	8,845 - 8,869	1	0.36	24
8,946 - 8,948	8,946 - 8,948	3	0.36	6
9,049 - 9,075	9,049 - 9,075	1	0.36	26
9,186 - 9,204	9,186 - 9,204	1	0.36	18

Total Number of Perforations
Total Feet Perforated

104 100 ft

TUBULARS

Pump Via Tubing

TUBULAR GEOMETRY						<u>Top</u>	<u>Bottom</u>
Casing	7		O.D."	(6.276" I.D.)	26#	0	9950
Tubing	4	1/2	O.D."	(3.826" I.D.)	15.5#	0	8396

Operator Name: Well Name:

El Paso Production Mathews 2-13B2 Stg. 2

Job Description: Date:

Lightning 2400 November 14, 2008



GREEN RIVER FRAC

Proposal No: 179971845B Field Receipt No: 1001386914

SECTION II - MATERIAL UTILIZATION

VOLUMES

	Clean Vo		
Label	Proposed	Actual	Unit
Pad	16,140	17,716	gals
Treating Fluid	69,000	67,109	gals
Flush	5,708	5,380	gals
I IT December		90,205	gals
Load To Recover		2,148	bbls

PROPPANT

Size & Type	Proposed	Actual	Unit
White, 100m	7,000	4,751	lbs.
Tempered LC, 20/40	135,000	135,146	lbs.
Total Proppant	142,000	139,897	lbs

ADDITIVES

Product Name	Proposed	Actual	Unit
GW-3LD	540	520	Gal.
BF-7L	178	175	Gal.
XLW-32	85	83	Gal.
MA-844W	180	170	Gal.
Claytreat 3C	90	90	Gal.
CRB-LT	164	170	Lb.
GBW-5	21	25	Lb.
PSI-720	90	80	Lb.

Operator Name: Well Name: El Paso Production Mathews 2-13B2 Stg. 2

Job Description: Date: Lightning 2400 November 14, 2008



GREEN RIVER FRAC

Proposal No: 179971845B Field Receipt No: 1001386914

SECTION III - TREATMENT SCHEDULE

PROCEDURE

		Fluid	Prop	Conc.	Clean Volume		
Stage	Туре	Stage Label	Prop.	Act.	Proposed	Actual	Units
1	Acid	15% HCI	0	0	5,000	6,804	gals
2	Lightning 10	10PPT Linear Gel	0	0	7,140	6,913	gals
3	Lightning 24	Pad	0	0	2,000	1,999	gals
4	Lightning 24	100 M Sand	0.5	0.5	14,000	14,001	gals
5	Lightning 24	Spacer	0	0	2,000	1,999	gals
6	Lightning 24	1# Sand	1	1	13,000	13,000	gals
7	Lightning 24	2# Sand	2	2	16,000	16,000	gals
8	Lightning 24	3# Sand	3	3	14,000	14,002	gals
9	Lightning 24.	4# Sand	4	4	12,000	10,106	gals
10	Water	Flush	0	0	5,708	5,380	gals

COMMENTS



Page 1 of 4

Operations Summary Report

Start:

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

Event Name:

RECOMPLETION

10/27/2008

Spud Date: 6/10/1992 End: 11/22/2008

Contractor Name:

NABORS DRILLING

Rig Release: 11/23/2008

Group:

Rig Name:

NABORS

Rig Number: 1431

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/28/2008	07:00 - 18:00	11.00	С			H.S.M. ROAD RIG FROM 2-18B1 TO 2-13B2. WORK ON ROTAFLEX BRAKE, LA BRAKE WOULD NOT RELEASE, AND MANUAL BRAKE WAS MISSING BRAKE PAD. R/D ROTAFLEX SILE UNIT. M.I.R.U. W/O RIG. HOT OILER PMPED 100 BLS 2% KCL DN CSNG. UNSEAT PMP, L/D POLISH RD & PONY RODS, 6', 4', 4', 2',2' X 1". R/U & FLUSH TBNG W/60 BLS 2% KCL. TOOH W/ 121-1" RDS. L/D 23-7/8" SLK RDS, TOOH W/ 104- 7/8" SLK 5-7/8" W/G. 20-3/4" W/G, L/D 31- 3/4" SLK RDS. TOOH W/ 80- 3/4" SLK RDS. L/D 56- 3/4" SLM HOLE GUIDES. L/D 1 1/4" ROD PMP. X-O TO TBNG EQ. N/D W/H. RELEASE T.A.C. N/U B.O.P. RU WORK FLOOR. S.W.I.F.N.
10/29/2008	07:00 - 19:00	12.00	С			H.S.M. CSIP-200#, TSIP-SLT VAC, B.O.W. TOOH STRAPPING 306-JNTS 2 7/8" TBG, 7" T.A.C., X-0 2 7/8" EUE X 2 3/8" EUE, 40 JNTS 2 3/8" TBG. L/D 2 3/8" PSN, 6'- 2 3/8" TBG SUB, 3 1/2" P.B.G.A., 1-JNT 21 3/8" TBG, 2 3/8" SOLID PLUG,. MU & TIH W/ 7" RBP, RETRIEVING TOOL, 6' 2 7/8" TBG SUB, 7" PKR, 305- JNTS 2 7/8" TBG, SET 7" RBP @ 9,662'. POOH W/ 2- JNTS 2 7/8" TBG SET 7" PKR @ 9,604'. R/U PMP LINES, FILL TBG W/ 52 BLS T.P.W., TEST TOOLS & CSNG TO 1500#. GOOD TEST. B.O. TBG. FILL & TEST CASING W/ 275 BLS T.P.W., TEST CASING TO 1,500#. GOOD TEST. B.O. CSNG.
10/30/2008	07:00 - 19:30	12.50	С			RELEASE 7" PACKER S.W.I.F.N. EOT @ 7609'. H.S.M. CSIP-O#. TSIP-O#. RIH W/ 2 JNTS 2 7/8" TBG, LATCH ONTO & RELEASE 7" RBP @ 9662'. TOOH W/ 305 JNTS 2 7/8" TBG, 7" PKR, 6'- 2 7/8" TBG SUB, RETRIEVING TOOL, 7" RBP. M/U TIH W/ 5" PKR, 41-JNTS 2 3/8" TBG, X-O 2 7/8" EUE X 2 3/8" EUE, 2 7/8" P.S.N., 265 JNTS 2 7/8" TBG, FOUND 5" LINER TOP @ 9728'. CONT TIH W/ 32 JNTS 2 7/8" TBG, STACKED OUT @10,720', SET 15,000# DOWN TOOK 10,000# OVER STRING WIEGHT TO PULL FREE, TOOH W/30 JNTS 2 7/8" TBG. SET 5" RBP @9800'. GET OFF RBP, POOH W/ 2 JNTS 2 7/8" TBG, EOT @ 9750'. R/U PMP & LINES, FILL CSNG W/ 350 BLS T.P.W. PRESS TEST CSNG TO 1,500#. GOOD TEST. B.O.W.
10/31/2008	07:00 - 17:00	10.00	С			S.W.I.F.N. H.S.M. CSIP-0#. TSIP-0#. RIH W/ 2 JNTS 2 7/8" TBG. LATCH ONTO & RELEASE 5" RBP @ 9800'. TOOH W/ 267- JNTS 2 7/8" TBG. 2 7/8" PSN. X-0 2 7/8" EUE X 2 3/8" EUE. 41 JNTS 2 3/8" TBG, L/D 5" PKR, 4' 2 3/8" PUP JNT, RETRIEVING TOOL, 5" RBP. M/U & RIH W/ 4 1/8" ROCK BIT, 5" SCRAPPER, X-0 2 3/8" EUE X 2 7/8" REG, 2-JNTS 2 3/8" TBG, P/U & RIH W / 45 JNTS 2 3/8" TBG. CONT TIH W/ 2 3/8" PSN, 39 JNTS 2 3/8" TBG, X-0 2 7/8"EUE X 2 3/8" EUE, 2 7/8" PSN, 219- JNTS 2 7/8" TBG, S.W.I.F.N. EOT @9669.90.
11/1/2008	07:00 - 16:30	9.50	С			H.S.M. CSIP-0#. TSIP-50#. B.O.W. TIH W/2-JNTS 2 7/8" TBG. TAG & ENTER LINER TOP @ 9728' CONT TIH W/80 JNTS 2 7/8" TBG. WORKING TBG UP & DN THROUGH TIGHT @ 11,246'. TOOK 100,000# TO PULL THROUGH, WORK TBG & CLEAN UP TIGHT SPOT. CONT TIH & TAG FILL @ 12,215'. TOOH W/301 JNT 2 7/8" TBG, 2 7/8" PSN, X-0 2 7/8" EUE X 2 3/8" EUE, 39-JNTS 2 3/8" TBG, L/D 2 3/8" PSN, 45-JNTS 2 3/8" TBG. CONT TOOH W/ 2-JNTS 2 3/8"TBG. L/D X-0 2 3/8" EUE X 2 3/8"REG, 5" SCRAPPER, 4 1/8" ROCK BIT. S.D.F.W.E.
11/2/2008 11/3/2008 11/4/2008	- - 11:00 - 19:30	8.50	С			SHUT DOWN FOR WEEKEND SHUT DOWN FOR WEEKEND. H.S.M. CSIP-400#. B.O.W. WAIT ON W/L TRK. R/U W/L TRK RIH & SET 5" CIBP @ 10,028' TOP OF PLUG. MAKE 3 BAILER RUNS & DUMP BAIL 55' (5-SX CMNT) ON TOP OF CIBP. RIH & SET 5" CBP



07:00 - 18:30

11/12/2008

11.50 C

EL PASO PRODUCTION

Page 2 of 4

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

RECOMPLETION

Start:

Spud Date: 6/10/1992

Event Name:

10/27/2008

End: 11/22/2008

Contractor Name:

NABORS DRILLING

Rig Release: 11/23/2008

Group:

Rig Name:

NABORS

Rig Number: 1431

Sub Date From - To Hours Code Phase Description of Operations Code @9,810'. POOH W/ WL. LEAVE WL TRUCK RIGGED UP. R/U PMP & 11/4/2008 11:00 - 19:30 8.50 С LINES, FILL CSNG W/ 349 BLS 2% KCL. PRESS TEST CSNG TO 1,500# (GOOD TEST). B.O.W. SWIFN. С H.S.M. CSIP-10#. B.O.W. RIH W/ PERFERATING GUNS, MADE A 11/5/2008 07:00 - 18:30 11.50 TOTAL OF 3 GUN RUNS, AND SHOT A TOTAL OF 84 HOLES BETWEEN 9,291' TO 9,797', R/D W.L. TRK. SPOT IN PIPE RACKS & CAT WALK, UNLOAD 4 1/2" HYDRILL TBG, R/U 4 1/2" EQ, TONGS, SLIPS, PIPE RAMS, ELEVATORS, ECT. P/U 7" TRTING PKR, X-0 4 1/2" PH-6 HYDRILL X 2 7/8" EUE, P/U 23- JNTS 4 1/2" PH-6 HYDRILL TBG, S.W.I.F.N. EOT @710'. 8.00 C H.S.M. CSIP-700#, TSIP-300#, B.O.W. R/U HOT OIL TRK TO TBG, 11/6/2008 07:00 - 15:00 RETURN C\$NG TO FLAT TNK, CIRC WELL W/ 20 BLS 2% KCL TO CLEAN OIL OUT OF WELL BORE, STEAM OFF RIG FLOOR, R/D HOT OIL TRK, CONT RIH P/U 151 JNTS 4 1/2" PH-6 HYDRIL, S.W.I.F.N. EOT @ 5,466'. 11/7/2008 07:00 - 16:30 9.50 C H.S.M. CSIP-700#. TSIP-300#. B.O.W. CONT TIH P/U 85 JNTS 4 1/2" PH-6 HYDRIL 15.5#. P-105 TBNG. TBNG ELEVATORS STARTED SLIPPING OVER UPSETS. S.D AND WAITED FOR NEW ELEVATOR, FROM WEST STATES CSNG SERV. CONT RIH P/U 50 JNTS 4 1/2" PH-6 HYDRIL TBNG. ADD 6'-4 1/2" PH-6 HYDRIL TBNG SUB. SET 7" TREATING PKR @8993'. W/ 65 K COMPRESSION. R/U PMP & LINES TO CSNG FILL W/ 2 BLS 2% KCL, PRESS TEST CSNG & PKR TO 1,500#. GOOD TEST. S.W.I.F.N. SHUT DOWN FOR THE DAY WAITING ON FRAC 11/8/2008 11/9/2008 07:00 - 21:00 14.00 C H.S.M. CSIP-O#, TSIP-1850#. STEAM OFF WORK AREA W/ HOT OILER. SPOT 275 GAL PARIFIN CHEM MIXED W/ 840 GAL DIESEL IN TBG W/ HOT OILER. WAIT FOR BJ FRAC TRUCKS TO MOVE IN & R/U. RUN PMP LINE TO CSNG TO HOLD 1000# ON CSNG W/ RIG PMP DURING FRAC JOB. PRESS TESTED FRAC CREWS PMP LINES TO 9500#. GOOD TEST. STARTED BREAK DOWN ON PERFS BY PMPING DN 41/2" TBG W/ 275 GAL OF CHEM, W/ 840 GAL DIESEL, 5000 GAL 15% HCI ACID, W/ 120 BOI BALLS, PERFS BROKE @ 5702#, HAD GOOD BALL ACTION ACROSS PERFS. I.S.I.P. WAS 4282#. 5 MIN S.I.P. 4233#, 10 MIN S.I.P. 4196#. 15 MIN S.I.P. 4173#. WAITED 1 HOUR FOR BIO BALLS TO DISOLVE, REMOVED BALL GUNS FROM TREATING LINES, AND RE PRESS TESTED TO 9500#. GOOD TEST. CONT TO PMP STAGE 1 W/ 147,979# OF SAND MIXED W/ 2,358 BLS OF SLURRY. @ AVERAGE RT OF 53.1 B.P.M. AND AVERAGE FRAC PRESS OF 7343#. I.S.I.P. WAS 4555#. 5 MIN S.I.P. WAS 4352#. 10 MIN S.I.P. WAS 4243. 15 MIN S.I.P. WAS 4203#. R/D FRAC SEVICES PMP LINES, R/U FLOW BACK LINES TO FLOW BACK TNK. BEGIN FLOWING BACK ON A 10 CHOKE. TURN OVER TO PRRODUCTION FLOW BACK CREWS. S.D.F.N. 11/10/2008 00:00 -SHUT DOWN FOR SUNDAY 07:00 - 18:30 11.50 C H.S.M. CSIP-0#. TFP-50#. S/I TBG RELEASE 7" PKR, @8993'. 11/11/2008 REVERSE CIRC. 260 BLS 2% KCL.PMP 60 BLS CONTINUALL. WELL DEAD, R/D FRAC VLVE, REMOVE 6' 4 1/2" TBG SUB, POOH STNDING BACK 110 JNTS 4 1/2" TBG. CONT POOH LAYING DN 148 JNTS 4 1/2" PH-6 HYDRIL . NABORS HAD DN TIME, RIG BLEW UP RADIATOR HOSE ON RIG. REPAIRED HOSE . CONT POOH L.D. 28 JNTS 4 1/2" PH-6 HYDRIL. X-0 4 1/2" PH-6 HYDRIL X 2 7/8" EUE, 7"HD PKR SWIEN. H.S.M. CSIP-400#, B.O.W. R/U W.L. TRK RIH SET 7" 10K CBP. @

Printed: 3/4/2009 9:19:50 AM





Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

Event Name: Contractor Name:

Rig Name:

RECOMPLETION NABORS DRILLING

NABORS

Start:

10/27/2008

End:

Spud Date: 6/10/1992 11/22/2008

Rig Release: 11/23/2008

Group:

Rig Number: 1431

Rig Name:	1	NABUR		Sub		Rig Number.	
Date	From - To	Hours	Code	Code	Phase		Description of Operations
11/12/2008	07:00 - 18:30	11.50	С			TEST C.B.P. TO 150 PERFERATING RUI RIVER FORMATION W.L. TRK. M/U & TI	E TO CSNG FILL W/ 10 BLS 2% KCL, PRESS 00#. GOOD TEST. B.O.W. RIH W/ 4 NS. PERFERATING 2ND STAGE OF GREEN N FROM 8,611' TO9,240', SHOT 104 HOLES. R/D H W/7" HD WEATHERFORD PKR. X-0 4 1/2" JE. 111 JNTS 4 1/2" PH-6 HYDRIL TBNG. EOT@
11/13/2008	07:00 - 17:00	10.00	С			H.S.M. CSIP-300#, T 2% KCL, FOLLOWE RIH W/ 156 JNTS P INSTALL FRAC VAL PARIFIN SOLV, FOI PMP, SET 7" WEAT FILL CSNG W/ 5 BL TEST. B.O. CSNG.	TSIP-300#. B.O.W. R/U PMP & LINES, PMP 40 BLS ED BY 20 BLS 10# BRINE DN TBNG. CONT P/U & PH-6 HYDRIL PUP JNT. LVE ON TBG, SPOT 850 GAL DIESEL, W/ 275 GAL LLOWED BY 3 BLS 2% KCL, INSIDE TBNG W/ RIG THERFORD H.D. PKR. @ 8396'. SET IN 50K COMP. LS 2% KCL, PRESS TEST CSN TO 1000#, GOOD S.W.I DRAIN UP PMP & LINES.
11/14/2008 11/15/2008	- 07:00 - 13:30	6.50	С			H.S.M. R/U BJ FRAG PMP TO 1,000#, AN 1,200#. PRESS TES CEM. & 850 GAL. O BREAK DOWN ON PERFS BROKE @ 4 ACID, W/100 BIO BIO FLUSH & PMPED 10 SIP=1921#, 10 MIN GUNS DURING S.I. 9,500#. WAITED 11 FRAC JOB AS TO 2 MIN SIP=2343#. 10 TREATING AVERAG & FRAC EQUIPTME TANK. INSTALL A 1	TON FRAC IN A.M. HEATING FRAC TNKS. C EQUIPTMENT, PRESS UP ON CSNG W/ RIG ID HOLD PRESS DURING FRAC JOB. TSIP- ST BJ LINES TO 9,500#. 275 GAL, OF PARIFIN IF DIESEL ALREADY LOADED IN TUBING. PUMP 2ND STAGE OF LGR, PMP 18 BLS 2% KCL AND 4,405#. WENT TO ACID, PMPED 5,000 GAL HCI ALLS EVENELY DISPLACED. THEN WENT TO 62 BLS 2% KCL. I.S.I.P. WAS 2337#, 5 MIN SIP=1856#, 15 MIN SIP=1810#. REMOVED BALL IPERIOD. REPRESSURE TESTED PMP LINES TO HOUR FOR BIO BALLS TO DISOLVE. PMPED 2ND STAGE PROCEEDURE. I.S.I.P. WAS 2589#. 5 MIN SIP=2202#. 15 MIN SIP=2121#. JOB GES WERE, 59.1 BPM, @ 6302#. R/D PMP LINES ENT. R/U FLOW BACK LINES TO FLOW BACK 12/64 POSSITIVE CHOKE. OPEN WELL UP, AND K W/1300# ON TBNG. TURN OVER TO
11/16/2008 11/17/2008	-					S.D.F.W.E. PRODU PRODUCTION RES	ICTION FLOWING BACK 2ND STAGE FRAC. SPONSABLE FOR FLOWING BACK 2ND STAGE
11/18/2008	07:00 - 17:00	10.00	С	Address to the second s		7" PKR @ 8396', R/I IT DID NOT KILL W FLAT TNK. REVERS BLS 10# BRINE DN WALK, IT WOULD I VALVE, L/D 6' 4 1/2' 1/2" PH-6 HYDRIL, I	V.E. P-100#, SWI, R/D FLOW BACK LINES, RELEASE U PMP & LINES, PMP 30 BLS 10# BRINE DN TBG, VELL, FLOWED BACK 30 BLS 10# BRINE INTO SE CIRC W/ 110 BLS 2% KCL, THEN PMPED 30 TBG, WELL DEAD. WORKED ON BASICS CAT NOT STAY RUNNING. BROKE OUT 4 1/2" FRAC " PH-6 HYDRIL PUP JOINT, L/D 166 JNTS OF 4 EOT @ 3189'. TIED CSNG INTO FLOWLINE TO DN 14/64 CHOKE OVERNIGHT. SHUT TBNG IN.
11/19/2008	07:00 - 19:00	12.00	С			DRAIN UP PMP & L H.S.M. CFR-50#. TS CONV. W/ 70 BLS 2 KILLED WELL. CON 1/2" PH-6 HYDRIL X 1/2" EQUIPTMENT,	

Printed: 3/4/2009 9:19:50 AM



Page 4 of 4

Operations Summary Report

Start:

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

Event Name:

RECOMPLETION

10/27/2008

Spud Date: 6/10/1992 End:

11/22/2008

Contractor Name: Rig Name:

NABORS DRILLING

NABORS

Rig Release: 11/23/2008

Group:

Rig Number: 1431

Rig Name.	1.1	Hours		Sub	Phase	Description of Operations
Date	From - To	Hours	Code	Code	Phase	
11/19/2008 11/20/2008	07:00 - 19:00 07:00 - 18:00	12.00				FOLLOWED BY 60 BLS 10# BRINE DOWN CSNG. TIH W/40 JNTS 2 3/8" EUE TBNG EOT @1282', R/U & CIRC CONV W/ 50 BLS 10# BRINE. POOH L/D 40 JNTS 2 3/8" TBG. CHANGE OVER TO 2 7/8" EQUIPTMENT. TIH W/ 2 7/8" TBG COLLER, 94 JNTS 2 7/8" EUE TBG. EOT @ 3058'. R/U LINE TO VENT CSNG TO TRTR ON 14/64 CHOKE. DRAIN UP PMP & LINES. S.D.F.N. H.S.M. CFP-50#. TSIP-150#. R/U HOT OILER TO TBG PMP 35 BLS 2% KCL. R/D HOT OILER TRK. R/U SLICK LINE TRK W/ PROTECHNICS TRACER LOGGING TOOL. RIH TAG FILL @ 9200', 7" CBP @ 9260'. LOG THROUGH 2ND STAGE OF LOWER GREEN RIVER. LOGGED SHOWED GOOD COVERAGE W/ FRAC SAND THROUGH ALL THE PERFS OF 2ND STAGE. POOH W/ LOGGING TOOL. R/D SLICK LINE TRK. R/U PMP & LINES CIRC WELL CONV W/ 120 BLS 2% KCL.
11/21/2008	07:00 - 17:30	10.50	С			POOH W/ KILL STRING L/D 32 JNTS 2 7/8" EUE TBG. CONT TOOH W/62 JNTS 2 7/8" EUE TBG. M/U & TIH W/ BHA AS FOLLOWS, 2 7/8" SOLID PLUG, 2-JNTS 2 7/8" EUE TBG, 4 1/2" PBGA, 6'-2 7/8" TBG SUB, 2 7/8" PSN, 7- JNTS 2 7/8" EUE TBG, 7" TAC, 228-JNTS 2 7/8" TBG, DRAIN UP PMP & LINES. S.D.F.N. EOT @ 7547'. VENT CSNG TO TRTR ON 14/64 CHOKE. H.S.M. CFP-80#. TSIP-80#. R/U PMP & LINES CIRC WELL CONV W/ 200 BLS 2% KCL. THEN REV CIRC WELL WITH 150 BLS 2% KCL. THEN PMPED 20 BLS 10# BRINE DN TBG TO KILL WELL. CONT TIH W/ 36-JNTS 2 7/8" TBG, 4' TBG SUB, AND LANDED TBG HANGER. N/D B.O.P. SET TAC @ 8580'. IN 20,000# TENTION. PSN @ 8580'. EOT @ 8684'. REMOVED 4' TBG SUB, LAND TBG HANGER. R/U WH & FLOWLINE. X-0 TO ROD EQUIPTMENT. FLUSH TBG W/ 70 BLS 2% KCL, STEAMED OFF TOOLS, EQUIPTMENT & CELLAR W/ HOTOILER. P/U & RIH W/ 2 1/2" X 1 3/4" X 36' 60 RING PA ROD PMP, 24-1" RDS W/G, CONT TIH W/ 63-3/4" SLK RDS, 15-3/4" RDS W/G, 17-3/4" SLK RDS, 4-3/4" RDS W/G, 5- 7/8" RDS W/G, 100-7/8" SLK RDS, 63-1" SLK RDS. P/U POLISH RD, S.D.F.N. WELL OPEN TO
11/22/2008	07:00 - 15:00	8.00	С			TRTR. H.S.M. TFP-50#. CFP-50#. R.U PMP & LINES TO TBG, PMP 10 BLS, 10# BRINE TO KILL TBG. CONT TIH W/ 51-1" SLK RDS. SPACE OUT W/ 2', 4', 6' X 1" PONY RODS. P/U POLISH ROD SEAT PMP. FILL TBG W/ 2 BLS 2% KCL. PRESS & STROKE TEST TO 1,000#. GOOD TEST. R/D RIG, SLIDE & R/U ROTOFLEX P/U. P.O.P. CLEAN UP LOCATION. S.D.F.W.E.
11/23/2008	06:30 - 11:00	4.50	С			WAIT ON ORDERS. (RELEASED RIG). CLEAN UP FLAT TANK & PMP W/ HOT OILER. ROAD RIG FROM MATHEWS 2-13B2 TO ROOSEVELT YARD.

Sundry Number: 14740 API Well Number: 43013313570000

			EODM O
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES		5.LEASE DESIGNATION AND SERIAL NUMBER:
	DIVISION OF OIL, GAS, AND MIN	ING	FEE
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen e ugged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MATTHEWS 2-13B2
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP			9. API NUMBER: 43013313570000
3. ADDRESS OF OPERATOR: 1001 Louisiana St. , Houston,		E NUMBER: Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: 3 Township: 02.0S Range: 02.0W Meridian:	U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start: ✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
✓ SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Work Completion: 4/22/2011			_
1,22,2011	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIBE PROPOSED OF CO	DMPLETED OPERATIONS. Clearly show all perti	:	salumas ats
	o bridge plugs (1)@ 9831' (2)@		oiumes, etc.
Erraso ana oac cw	8612'-12,326' LGR and Wasa		
	,	Δ	Accepted by the
			Jtah Division of
			l, Gas and Mining
		FOR	R RECORD ONLY
NAME (DI EACE DOTAT)	BUONE NUMBER	TITLE	
NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	Sr Regulatory Analyst	
SIGNATURE		DATE	
N/A		5/3/2011	

Sundry Number: 14740 API Well Number: 43013313570000

013 31351



EL PASO PRODUCTION

Page 1 of 2

Spud Date: 6/10/1992

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Event Name:

Common Well Name: MATHEWS 2-13B2

WORKOVER CAPITAL

Start:

4/14/2011

End:

Contractor Name: Rig Name:

PEAK PEAK Rig Release:

Group:

Rig Number: 700

Date	From - To	Hours	Code	Sub	Phase	Description of Operations
				Code		
4/15/2011	06:30 - 07:00	0.50	C	18		HELD SAFETY MTNG (ROADING RIG, RIG INSPECTIONS). PERFORMED JSA'S.
	07:00 - 10:00	3.00	С	01		ROAD RIG FROM HORROCKS 4-20A1 TO MATHEWS 2-13B2. SPOT
1	10:00 - 14:00	4.00	С	18		IN EQUIPMENT, SLID ROTAFLEX P/U BACK. RIG UP. BLED DN TBNG. BEGIN PUMPING TPW DN CSNG @240 DEG. WHILE ATTEMPTING TO UNSEAT PMP. UNABLE TO UNSEAT PMP. L/D 1 1/2" X 36' PR. PU 1" FISHING ROD. RU TBNG TONGS AND
	14:00 - 15:30	1.50	С	04		MADE BACK OFF RODS. LD 1" FISHING ROD. 1-6', 1-4', 2-2' X 1" EL PONY RODS. POOH W/ 107 EL RDS. 105 7/8" EL RODS, 99 3/4" EL RDS, 24 1" EL WEIGHT RODS, HAD MADE BACK OFF ON PULL ROD AT PMP.
	15:30 - 17:00	1.50	С	15		X-O TO TBNG EQUIP. ND WH. NU BOPE. RU WORK FLOOR. RELEASE 7" TAC @8,353'. SECURE WELL. S.D.F.N.
					,	USED A TOTAL OF 75 GAL PROPANE FOR TH DAY. USED 80 GAL DIESEL FOR THR DAY. PMPED A TOTAL OF 140 BBLS TPW FOR THE DAY.
4/16/2011	06:30 - 07:00	0.50	С	18		HELD SAFETY MTNG (SIPS, TRIPS AND FALLS. HOUSE KEEPING). PERFORMED JSA'S.
	07:00 - 12:00	5.00	С	04		BLED OFF AND OPENED UP WELL. POOH W/ WET STRING OF 264 JNTS 2 7/8" N-80 EUE TBNG, LD 7" WTHRFRD TAC. POOH W/ 7 JNTS 2 7/8" N-80 EUE TBNG, LD 2 7/8" EUE P.S.N. 6' X 2 7/8" EUE PUP JNT, 4 1/2" PBGA, 2 JNTS 2 7/8" N-80 EUE TBNG, 5 3/4" NO-GO,
		٠,				2 7/8" SOLID PLUG.
	12:00 - 13:00	1.00	С	18		STEAMING OFF RIG FLOOR WHEN NEEDED. CLEANED UP RIG EQUIPMENT AND CELLAR.
	13:00 - 17:30	4.50	С	04		TALLY AND PU 4 1/8" ROCK BIT, 2- 3 5/8" JUNK BASKETTS, X-O SUB 2 3/8" REG X 2 3/8" PAC. 6- 3 1/8" DRILL COLLERS, X-O 2 3/8" PAC X 2 3/8" EUE. TALLY AND PU 80 JNTS 2 3/8" N-80 WORK STRING. X-O 2 3/8" EUE X 2 7/8" EUE . CHANGE HANDLING EQUIP OVER TO 2 7/8", TALLY AND RIH OUT OF DERRICK W/ 130 JNTS 2 7/8" N-80 EUE TBNG. EOT @ 6,185'. SECURE WELL. S.D.F.W.E. USED A TOTAL OF 90 GAL DIESEL. USED 100 GAL PROPANE.
4/17/2011	06:00 - 06:00					PMPED A TOTAL OF 40 BBLS TPW FOR THE DAY. NO RIG ACTIVITY, SHUT DOWN FOR WEEK END.
4/17/2011 4/18/2011 4/19/2011	06:00 - 06:00 06:00 - 07:00	0.50	С	18	,	NO RIG ACTIVITY, RIG SHUT DOW FOR WEEK END. HELD SAFETY MTNG (WORKING WITH POWER SWIVEL).
	07:00 - 18:30	11.50	C	13		PERFORM JSA'S. OPEN UP WELL. CONTINUE IN HOLE W/ 76 JNTS 2 7/8" N-80 EUE TBNG. TAG UP ON FISRT CIBP @ 9,831'. RU POWER SWIVEL. START PMPING DN CSNG. BROKE
						CIRCULATION W/ 360 BBLS TWP. BEGIN DRILLING UP CIBP. AFTER 45 MINUTES, LOST CIRCULATION, AND FELL THROUGH PLUG, REGAINED CIRCULATION AFTER 80 BBLS. CIRCULATE CLEAN. CONTINUE IN HOLE AND TAG UP AGAIN @9,865'. CONT DRILLING ON REMAINS OF CIBP. PUSH TO TOP OF CMNT @ 10,031'. DRILL UP 20' CMNT. START DRILLING ON SECOND CIBP @10,051'. DRILLED ON CIBP FOR 1 HR AND LOST CIRCULATION. CONT PMPING DN CSNG AND DRILLING ON CIBP. FELL THROUGH PLUG. RIH TO 10,103" DID

Printed: 5/2/2011 11:22:28 AM

Sundry Number: 14740 API Well Number: 43013313570000



EL PASO PRODUCTION

Page 2 of 2

Operations Summary Report

Legal Well Name:

MATHEWS 2-13B2

Common Well Name: MATHEWS 2-13B2

WORKOVER CAPITAL

Start:

4/14/2011

Spud Date: 6/10/1992 End:

Event Name: Contractor Name:

PEAK

Rig Release:

Group:

PEAK

Rig Number: 700

Rig Name:	İ	PEAK				Rig Number: 700
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/19/2011	07:00 - 18:30 18:30 - 19:30	11.50 1.00		13 04		NOT TAG UP AGAIN. RD POWER SWIVEL. POOOH W/ 14 JNTS 2 7/8" N-80 EUE TBNG EOT @ 9,662' (ABOVE LINER TOP). SECURE WELL. S.D.F.N. USED A TOTAL OF 140 GAL DIESEL FOR THE DAY.
4/20/2011	06:00 - 07:30	1.50	С	18		PUMPED A TOTAL OF 1,405 BBLS TPW FOR THE DAY. CT TGSM & JSA (POWER SWIVEL OPERATIONS) TSIP & CSIP VAC.
	07:30 - 09:00	1.50	С	04		RIH TAG @ 10,649' RU PWR SWIVEL, DRILL ON FOR 15 MIN., FELL THROUGH, SWIVEL DOWN 3 JTS.
	09:00 - 11:30	2.50	С	04		RIH TAG FILL @ 12,236'.
	11:30 - 18:00	6.50	С	04	,	POOH W/ 300 JTS 2-7/8" 8RD N-80 EUE TBG, 2-7/8" X 2-3/8" LAYDOWN 80 JTS 2-3/8" 8RD N-80 EUE TBG, & BHA. SWIFN, C/O TO 2-7/8" TBG EQ., CSDFN CT.
	06:00 - 06:00		С			USED A TOTAL OF 90 GAL DIESEL FOR THE DAY. PUMPED A TOTAL OF 175 BBLS TPW FOR THE DAY.
4/21/2011	06:00 - 07:30	1.50	С	18		CT TGSM & JSA (RIH W/ TBG & RODS) CSIP @ 40# PSI, BWD.
	07:30 - 10:00	2.50	С	04		MU & RIH W/ 5-3/4" NO-GO, 2-7/8" SOLID PLUG, 2 JTS, 4-1/2" P.B.G.A, 6' PUP JT.,+45 PSN, 7 JTS, 7" NABORS TAC, 298 JTS 2-7/8" 8RD N-80 EUE TBG TAG LINER TOP T.M @ 9749'. LAY DOWN 2 JTS. SET TAC @ 9386' PSN @ 9610', EOT @ 9716'. TEMP LAND TBG W/ 4' PUP JT
	10:00 - 12:00	2.00	C	15		NIPPLE DOWN BOPS, RE LAND TBG W/ 23K TENSION.
	12:00 - 13:00	1.00		08	1	MU PUMP T & FLOW LINES. FLUSH TBG W/ 60 BBLS TPW, C/O TO ROD EQ.,
	13:00 - 18:00	5.00	C	04		PU STROKE TEST MU & RIH W/ 2-1/2" X 1-1/2" X 36' WALS 60 RING PLUNGER RHBC. (CHECK ALL CONNECTIONS) 24 1", 150 3/4" (TOP 50 NEW), 106 7/8" PU P-ROD SWIFN, CSDFN, CT.
	06:00 - 06:00		C			USED A TOTAL OF 115 GAL DIESEL FOR THE DAY. PUMPED A TOTAL OF 90 BBLS TPW FOR THE DAY.
4/22/2011	06:00 - 07:30	1.50		18		CT, TGSM, & JSA (CHECKING BREAKS)
	07:30 - 10:00	2.50		04		L/D P-ROD, CONT RIH W/ 102-1", SPACE OUT W/ 2-2' X 1" PONYS & 1-1/2" X 36' P-ROD.
	10:00 - 10:30	0.50		09		F&T TBG W/ 36 BTPW, L/S TO 1000# PSI, GOOD TEST W/ GOOD PUMP ACTION.
1	10:30 - 12:00	1.50		01		RIG DOWN, SLIDE UNIT PWOP.
	12:00 - 15:00	3.00		18		STEAM CLEAN RIG & EQ., CSDFHWE
	06:00 - 06:00		С			USED A TOTAL OF 75 GAL DIESEL & 75 GAL LPG'S FOR THE DAY. PUMPED A TOTAL OF 90 BBLS TPW FOR THE DAY.
	06:00 - 06:00		С			TO LOCATION FROM YARD RETURN TO YARD FROM LOCATION (S/N DEEPER) 45 JTS 2-7/8" 8RD N-80 EUE TBG. (BUY 33 JTS 1050.38') 12 JTS 2-7/8" 8RD N-80 EUE TBG (NEW) +45 PSN (BUY) JT 2-7/8" SENT TO WALS W/ ROD PUMP 50 3/4" W/G (BUY) 83 JTS 2-3/8" 8RD N-80 EUE (WORK STRING) 3 1" SLK (BUY) 12 1" SLK (JUNK)
						83 JTS 2-3/8" 8RD EUE TBG (RENT 80 JTS 5 DAYS)

Printed: 5/2/2011 11:22:28 AM

Sundry Number: 14727 API Well Number: 43013313570000

	STATE OF UTAH	250	FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MATTHEWS 2-13B2
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP			9. API NUMBER: 43013313570000
3. ADDRESS OF OPERATOR: 1001 Louisiana St. , Houston,		ONE NUMBER: 88 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL QTR/QTR, SECTION, TOWNSHI	P. RANGE, MERIDIAN:		COUNTY: DUCHESNE
	3 Township: 02.0S Range: 02.0W Meridia	n: U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT	Γ, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
4/15/2011	CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	\square si ta status extension	☐ APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all poor out 2 BP and commingle Low	ver Green River and Wasa	
NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst	
SIGNATURE N/A		DATE 5/3/2011	

Sundry Number: 14727 API Well Number: 43013313570000



The Utah Division of Oil, Gas, and Mining

- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013313570000 Authorization: Board Cause No. 139-84.

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING	
CDW	

X - Change of Operator (Well Sold)	Operator Name Change/Merger									
The operator of the well(s) listed below has chan	ged, e	effective:		6/1/2012						
FROM: (Old Operator):				TO: (New Or	perator):					
N3065- El Paso E&P Company, L.P.				N3850- EP Ene		ompany, L.P.				
1001 Louisiana Street				1001 Louisiana		, , , , , ,				
Houston, TX. 77002				Houston, TX. 7						
]				,						
Phone: 1 (713) 997-5038				Phone: 1 (713)	997-5038					
CA No.				Unit:	T	N/A		<u>-</u>		
WELL NAME	SEC	TWN R	NG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS		
See Attached List					<u> </u>	<u> </u>				
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation wa 2. (R649-8-10) Sundry or legal documentation wa 3. The new company was checked on the Depart 4a. Is the new operator registered in the State of U 5a. (R649-9-2) Waste Management Plan has been re 5b. Inspections of LA PA state/fee well sites comp 5c. Reports current for Production/Disposition & S	as recoment Jtah: eccive	eived from eived from of Comme ed on:	the	NEW operator	on: orporations	6/25/2012 6/25/2012 Database on: 2114377-0181		6/27/2012		
6. Federal and Indian Lease Wells: The BL			IA h		- e merger, na	me change.				
or operator change for all wells listed on Feder					BLM	N/A	BIA	Not Received		
7. Federal and Indian Units:						-				
The BLM or BIA has approved the successor	r of m	nit operato	r for	wells listed on		N/A				
					•	- IVA	•			
_		-				N/A				
The BLM or BIA has approved the operator					Comm 5 Tron					
9. Underground Injection Control ("UIC"			_	_				C1		
Inject, for the enhanced/secondary recovery ur	nit/pro	oject for th	ie wa	iter disposal we	il(s) listed o	n: Sec	cond Oper	Cng		
DATA ENTRY:										
1. Changes entered in the Oil and Gas Database			_	6/29/2012	_					
2. Changes have been entered on the Monthly O	perat	or Chang	e Sp			6/29/2012	•			
3. Bond information entered in RBDMS on:				6/29/2012	_					
4. Fee/State wells attached to bond in RBDMS or				6/29/2012	_					
5. Injection Projects to new operator in RBDMS		DD 0.1		6/29/2012	-					
6. Receipt of Acceptance of Drilling Procedures i	or Al	PD/New of	n:		N/A	_				
BOND VERIFICATION:										
1. Federal well(s) covered by Bond Number:				103601420						
2. Indian well(s) covered by Bond Number:	_			103601473		4007770707				
3a. (R649-3-1) The NEW operator of any state/fe	e wel	ll(s) listed	cov	ered by Bond N	umber	400JU0705	-			
3b. The FORMER operator has requested a releas	se of l	iability fro	om tl	neir bond on:	N/A					
LEASE INTEREST OWNER NOTIFIC 4. (R649-2-10) The NEW operator of the fee wells	s has l	been conta								
of their responsibility to notify all interest owne	rs of	this chang	e on	•	6/29/2012					
COMMENTS:										
Disposal and Injections wells will be moved wh	ien U	IC 5 is re	ceiv	ed.						

STATE OF UTAH PARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL				5. LEASE DESIGNATION AND SERIAL	NUMBER:
CUNDDY	/ NOTICES AN	ID BEDODI	TO ON WEL	1.6	Multiple Leases 6. IF INDIAN, ALLOTTEE OR TRIBE NA	ME:
SUNDKI	Y NOTICES AN	ND REPUR	12 ON WEL	LS	7 LINUT CA ACREEMENT NAME.	
Do not use this form for proposals to drill r drill horizontal k	new wells, significantly deepe aterals. Use APPLICATION	en existing wells below of FOR PERMIT TO DRILL	current bottom-hole dept L form for such proposa	th, reenter plugged wells, or to is.	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL	☑ GAS WELI	OTHER			WELL NAME and NUMBER: See Attached	
2. NAME OF OPERATOR:			· · · ·		9. API NUMBER:	<u> </u>
El Paso E&P Company, L	P.	A	Attn: Maria Go	···-		
3. ADDRESS OF OPERATOR: 1001 Louisiana	y Houston	STATE TX Z	_{1P} 77002	PHONE NUMBER: (713) 997-5038	10. FIELD AND POOL, OR WILDCAT: See Attached	
4. LOCATION OF WELL		0.771 <u>g</u>				
FOOTAGES AT SURFACE: See A	Attached				COUNTY:	
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN:				STATE: UTAH	
11. CHECK APP	ROPRIATE BOXI	ES TO INDICA	TE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA	
TYPE OF SUBMISSION			T	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FO	PRMATION
(Submit in Duplicate)	ALTER CASING		FRACTURE	TREAT	SIDETRACK TO REPAIR WEL	L
Approximate date work will start:	CASING REPAIR		MEW CONS		TEMPORARILY ABANDON	
	CHANGE TO PRE	VIOUS PLANS	☐ OPERATOR		TUBING REPAIR	
SUBSEQUENT REPORT	CHANGE TUBING CHANGE WELL N	A B4E	PLUG AND			
(Submit Original Form Only)	CHANGE WELL ST		_	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion:		DUCING FORMATIONS	=	ION OF WELL SITE	OTHER: Change of	
	CONVERT WELL		=	TE - DIFFERENT FORMATION	Nomo/Onoro	tor
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIO	NS. Clearly show al	l pertinent details inc	cluding dates, depths, volum	mes, etc.	
					es to EP Energy E&P Comp	anv. L.P.
					ed the new operator of the	
ED E	D :	المطافعة المسادمة		ditions of the lease	(a) fan tha an antiona aond.	ام مغم
					(s) for the operations condund No. 400JU0705, Bureau	
Management Nationwide						
4 .	_			1		
March 10	2			Luci	2/10	
Frank W. Faller				Frank W. Falleri		
Vice President				Sr. Vice President		
El Paso E&P Company, L	P.			EP Energy E&P C	company, L.P.	
						
NAME (PLEASE PRINT) Maria S. (Gomez		TITU	Frincipal Regula	atory Analyst	
SIGNATURE MAYOR	H. Borrer	S	DAYI	6/22/2012		
This space for State use only)				RE	CEIVED	
APPROVED _	, /29/201	2			. 2 5 2012	
7	حر غنب عدلا			JUN	2 5 2012	

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

Rachel Medim

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

							Well	Well	
Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Type	Status	Conf
DWR 3-17C6	17	0308	060W	4301350070		14204621118	OW	APD	С
LAKEWOOD ESTATES 3-33C6	33	0308	060W	4301350127		1420H621328	OW	APD	С
YOUNG 3-15A3	15	I		4301350122		FEE	OW	APD	С
WHITING 4-1A2	01			4301350424		Fee	OW	APD	С
EL PASO 4-34A4	34			4301350720		Fee	ow	APD	C
YOUNG 2-2B1	02			4304751180		FEE	ow	APD	C
LAKE FORK RANCH 3-10B4	10			4301350712	19221		OW	DRL	C
LAKE FORK RANCH 4-26B4	26			4301350712			OW	DRL	C
							OW	DRL	C
LAKE FORK RANCH 4-24B4	24	1		4301350717					
Cook 4-14B3	14			4301351162			OW	DRL	C
Peterson 4-22C6	22			4301351163			OW	DRL	С
Lake Fork Ranch 4-14B4	14			4301351240			OW	DRL	С
Melesco 4-20C6	20			4301351241			OW	DRL	С
Peck 3-13B5	13			4301351364			OW	DRL	С
Jensen 2-9C4	09			4301351375			OW	DRL	С
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	С
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSLY 2-2A1	02	0108	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15			4301351433		14-20-H62-4724		NEW	С
Lake Fork Ranch 5-23B4	23			4301350739		Fee	ow	NEW	
Duchesne Land 4-10C5	10			4301351262		Fee	OW	NEW	С
Cabinland 4-9B3	09			4301351374		Fee	OW	NEW	C
			<u> </u>	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02								C
Golinski 4-24B5	24			4301351404		Fee	OW	NEW	
Alba 1-21C4	21			4301351460		Fee	OW	NEW	С
Allison 4-19C5	19			4301351466		Fee	OW	NEW	С
Seeley 4-3B3	03			4301351486		Fee	OW	NEW	С
Allen 4-25B5	25			4301351487		Fee	OW	NEW	С
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	С
Young 2-7C4	07	0308	040W	4301351500		Fee	OW	NEW	С
Brighton 3-31A1E	31	0108	010E	4304752471		Fee	OW	NEW	С
Hamaker 3-25A1	25			4304752491		Fee	OW	NEW	С
Bolton 3-29A1E	29			4304752871		Fee	OW	NEW	С
HORROCKS 5-20A1	20			4301334280	17378		OW	OPS	C
DWR 3-19C6	19					14-20-462-1120		P	
						14-20-462-1131		P	
DWR 3-22C6						14-20-462-1323		P	
DWR 3-28C6								P	+
UTE 1-7A2						14-20-462-811	OW		
UTE 2-17C6	17	I				14-20-H62-1118		P	
WLR TRIBAL 2-19C6	19	L		1		14-20-H62-1120		Р	
CEDAR RIM 10-A-15C6	15					14-20-H62-1128		Р	
CEDAR RIM 12A	28	0308	060W	4301331173	10672	14-20-H62-1323	OW	Р	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	Р	
TAYLOR 3-34C6	34	0308	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34					14-20-H62-1329	OW	Р	
UTE 3-35Z2 K						14-20-H62-1614		Р	1
UTE 1-32Z2	32					14-20-H62-1702		Р	
UTE TRIBAL 1-33Z2	33			4301330334		14-20-H62-1703		P	+
						14-20-H62-1703		P	
UTE 2-33Z2								P	
UTE TRIBAL 2-34Z2	34	4		<u> </u>		14-20-H62-1704			+
LAKE FORK RANCH 3-13B4	13					14-20-H62-1743		P	
UTE 1-28B4	28			4301330242		14-20-H62-1745		P	<u> </u>
UTE 1-34A4	34	·		4301330076		14-20-H62-1774		Р	
	26	0108	04010	4301330069	1580	14-20-H62-1793	OW	Р	
UTE 1-36A4	36	0103	OTOVV	730 1330003	1000	11 LO 1102 1700	<u> </u>		
UTE 1-36A4 UTE 1-1B4	01			4301330129		14-20-H62-1798		P	

LITE 4 OFAO	25	0400	02014	4204220270	1000	44 00 HG2 4902	OVA	Р	
UTE 1-25A3 UTE 2-25A3	25 25			4301330370		14-20-H62-1802 14-20-H62-1802	<u> </u>	P	
UTE 1-26A3	26	 		4301331343		14-20-H62-1803	}	P	
UTE 2-26A3	26					14-20-H62-1803		P	
UTE TRIBAL 4-35A3		1	1			1420H621804	OW	P	С
	35			L	i	14-20-H62-1804		P	<u></u>
UTE 2-35A3	35								
UTE 3-35A3	35					14-20-H62-1804		Р	ļ
UTE 1-6B2	06			4301330349		14-20-H62-1807		P	
UTE 2-6B2	06					14-20-H62-1807		P	
UTE TRIBAL 3-6B2	06					14-20-H62-1807		P	С
POWELL 4-19A1	19			4301330071		14-20-H62-1847		Р	ļ
COLTHARP 1-27Z1	27			4301330151		14-20-H62-1933		P	
UTE 1-8A1E	08		L	4304730173		14-20-H62-2147		Р	
UTE TRIBE 1-31	31			4301330278		14-20-H62-2421		Ρ	ļ
UTE 1-28B6X	28					14-20-H62-2492		Р	
RINKER 2-21B5	21					14-20-H62-2508		Р	
MURDOCK 2-34B5	34					14-20-H62-2511		Р	
UTE 1-35B6	35			4301330507		14-20-H62-2531		Р	
UTE TRIBAL 1-17A1E	17	1 -		4304730829	1	14-20-H62-2658		Р	
UTE 2-17A1E	17	0108	010E	4304737831	16709	14-20-H62-2658	OW	Р	
UTE TRIBAL 1-27A1E	27	0108	010E	4304730421	800	14-20-H62-2662	OW	Р	
UTE TRIBAL 1-35A1E	35	0108	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	0108	010E	4304730820	850	14-20-H62-2717	OW	Р	ļ ·
UTE TRIBAL P-3B1E	03			4304730190		14-20-H62-2873		Р	
UTE TRIBAL 1-22A1E	22			4304730429		14-20-H62-3103		Р	ļ
B H UTE 1-35C6	35					14-20-H62-3436		Р	<u> </u>
BH UTE 2-35C6	35					14-20-H62-3436		Р	<u></u>
MCFARLANE 1-4D6	04					14-20-H62-3452		Р	†
UTE TRIBAL 1-11D6	11			4301330482		14-20-H62-3454		P	
CARSON 2-36A1	36			4304731407	4	14-20-H62-3806		P	
UTE 2-14C6	14			4301330775		14-20-H62-3809	+	P	
DWR 3-14C6	14				1	14-20-H62-3809		P	
THE PERFECT "10" 1-10A1	10		L	4301330935		14-20-H62-3855		P	ļ
BADGER-SAM H U MONGUS 1-15A1	15			4301330949		14-20-H62-3860		P	
MAXIMILLIAN-UTE 14-1	14			4301330726		14-20-H62-3868		<u>.</u> Р	-
FRED BASSETT 1-22A1	22			4301330781		14-20-H62-3880	1	P	t
UTE TRIBAL 1-30Z1	30					14-20-H62-3910		P	
UTE LB 1-13A3	13			4301330894		14-20-H62-3980		P	
	22					14-20-H62-4614		P	ļ
UTE 2-22B6 UINTA OURAY 1-1A3						14-20-H62-4664		P	
	01					14-20-H62-4752		P	<u> </u>
UTE 1-6D6	06					1420H624801		P	
UTE 2-11D6	11						OW		
UTE 1-15D6	15					14-20-H62-4824		P	<u> </u>
UTE 2-15D6	15					14-20-H62-4824		P	
HILL 3-24C6	24					1420H624866	OW	P	С
BARCLAY UTE 2-24C6R	24			L		14-20-H62-4866		P	
BROTHERSON 1-2B4	02			4301330062		FEE	OW	P	ļ
BOREN 1-24A2	24			4301330084		FEE	OW	Р	
FARNSWORTH 1-13B5	13			4301330092		FEE	OW	Р	
BROADHEAD 1-21B6	21			4301330100		FEE	OW	P	
ASAY E J 1-20A1	20	- 		4301330102		FEE	OW	Р	ļ
HANSON TRUST 1-5B3	05			4301330109		FEE	OW	Р	
ELLSWORTH 1-8B4	08			4301330112		FEE	OW	Р	L
ELLSWORTH 1-9B4	09			4301330118		FEE	OW	Р	
ELLSWORTH 1-17B4	17			4301330126		FEE	OW	Р	
CHANDLER 1-5B4	05	0208	040W	4301330140	1685	FEE	OW	Р	
HANSON 1-32A3	32	0108	030W	4301330141	1640	FEE	OW	Р	
JESSEN 1-17A4	17			4301330173		FEE	OW	P	T

LIENIKINO 4 4DO	04	0200	020\4/	4204220475	4700	ree	OW	Р
JENKINS 1-1B3	01	<u> </u>		4301330175	I	FEE FEE	OW	P
GOODRICH 1-2B3	02			4301330182	<u> </u>	FEE	OW	P
ELLSWORTH 1-19B4	19			4301330183			OW	P
DOYLE 1-10B3	10			4301330187		FEE		P
JOS. SMITH 1-17C5	17			4301330188		FEE	OW	
RUDY 1-11B3	11			4301330204		FEE	OW	P
CROOK 1-6B4	06			4301330213		FEE	OW	P
HUNT 1-21B4	21			4301330214		FEE	OW	P
LAWRENCE 1-30B4	30			4301330220	1	FEE	OW	P
YOUNG 1-29B4	29			4301330246		FEE	OW	P
GRIFFITHS 1-33B4	33	1		4301330288		FEE	OW	P
POTTER 1-2B5	02	h		4301330293		FEE	OW	P
BROTHERSON 1-26B4	26			4301330336		FEE	OW	P
SADIE BLANK 1-33Z1	33			4301330355		FEE	OW	Р
POTTER 1-24B5	24	I		4301330356		FEE	OW	P
WHITEHEAD 1-22A3	22			4301330357		FEE	OW	Р
CHASEL MILLER 2-1A2	01	1	L	4301330360		FEE	OW	Р
ELDER 1-13B2	13			4301330366	<u> </u>	FEE	OW	P
BROTHERSON 2-10B4	10			4301330443		FEE	OW	Р
FARNSWORTH 2-7B4	07	t		4301330470		FEE	OW	Р
TEW 1-15A3	15			4301330529		FEE	OW	Р
UTE FEE 2-20C5	20			4301330550	L	FEE	OW	P
HOUSTON 1-34Z1	34			4301330566		FEE	OW	Р
GALLOWAY 1-18B1	18			4301330575		FEE	OW	Р
SMITH 1-31B5	31	1		4301330577		FEE	OW	P
LEBEAU 1-34A1	34			4301330590		FEE	OW	Р
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	Р
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	Р
POWELL 1-21B1	21	0208	010W	4301330621	910	FEE	OW	Р
HANSEN 1-24B3	24	0208	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	0208	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25			4301330659		FEE	OW	Р
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	Р
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	Р
BIRCHELL 1-27A1	27			4301330758		FEE	OW	Р
CHRISTENSEN 2-8B3	08	0208	030W	4301330780	9355	FEE	OW	Р
LAMICQ 2-5B2	05	0208	020W	4301330784	2302	FEE	OW	Р
BROTHERSON 2-14B4	14	0208	040W	4301330815	10450	FEE	OW	Р
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	Р
HORROCKS 2-20A1 V	20	0108	010W	4301330833	8301	FEE	OW	Р
BROTHERSON 2-2B4	02	0208	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	L	L	4301330898		FEE	OW	Р
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	Р
BELCHER 2-33B4	33	0208	040W	4301330907	9865	FEE	OW	Р
BROTHERSON 2-35B5	35	0208	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	Р
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05			4301331000			OW	P
BABCOCK 2-12B4	12	0208	040W	4301331005	10215	FEE	OW	Р
BADGER MR BOOM BOOM 2-29A1	29	0108	010W	4301331013	9463	FEE	OW	Р
BLEAZARD 2-18B4	18	020\$	040W	4301331025	1566	FEE	OW	P
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16			4301331046			OW	P
RUST 3-4B3	04			4301331070		FEE	OW	Р
HANSON TRUST 2-32A3	32	0108	030W	4301331072	1641	FEE	OW	Р
BROTHERSON 2-11B4	11	020\$	040W	4301331078	1541	FEE	OW	P

HANSON TRUST 2-5B3	05	0208	02014/	4301331079	1626	FEE	OW	Р	—
	15			4301331079	1	FEE	OW	P	
BROTHERSON 2-15B4								L	
MONSEN 2-27A3	27			4301331104		FEE	OW	P	
ELLSWORTH 2-19B4	19			4301331105		FEE	OW	P	
HUNT 2-21B4	21			4301331114		FEE	OW	P	
JENKINS 2-1B3	01			4301331117		FEE	OW	P	
POTTER 2-24B5	24			4301331118		FEE	OW	Р	
POWELL 2-13A2 K	13			4301331120		FEE	OW	Р	
JENKINS 2-12B3	12			4301331121			OW	Р	
MURDOCK 2-26B5	26			4301331124		FEE	OW	Р	
BIRCH 3-27B5	27	.1		4301331126		FEE	OW	P	
ROBB 2-29B5	29			4301331130			OW	Р	
LAKE FORK 2-13B4	13			4301331134			OW	Р	
DUNCAN 3-1A2 K	01	0108	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09			4301331136			OW	P	
ELLSWORTH 2-9B4	09	0208	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	0108	020W	4301331139	10458	FEE	OW	Р	
POWELL 2-19A1 K	19	0108	010W	4301331149	8303	FEE	OW	Р	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	Р	
POTTER 2-6B4	06	0208	040W	4301331249	11038	FEE	OW	Р	
MILES 2-1B5	01			4301331257			OW	Р	
MILES 2-3B3	03			4301331261			OW	P	
MONSEN 2-22A3	22			4301331265			OW	Р	
WRIGHT 2-13B5	13			4301331267			OW	P	
TODD 2-21A3	21			4301331296			OW	P	
WEIKART 2-29B4	29			4301331298			OW	P	
YOUNG 2-15A3	15			4301331301			OW	P	
CHRISTENSEN 2-29A4	29			4301331303			OW	P	
BLEAZARD 2-28B4	28			4301331304	+		OW	P	
REARY 2-17A3	17		<u> </u>	4301331304			OW	P	
	11			4301331316			OW	P	
LAZY K 2-11B3	+			4301331354	L		OW	P	
LAZY K 2-14B3	14						OW	P	
MATTHEWS 2-13B2	13			4301331357			OW	P	
LAKE FORK 3-15B4	15			4301331358			OW	P	
STEVENSON 3-29A3	29			4301331376				P	
MEEKS 3-8B3	08			4301331377			OW	<u> </u>	
ELLSWORTH 3-20B4	20			4301331389			OW	P	
DUNCAN 5-13A2	13			4301331516			OW	P	
OWL 3-17C5	17			4301332112			OW	Р	
BROTHERSON 2-24 B4	24			4301332695			OW	P	
BODRERO 2-15B3	15			4301332755			OW	P	
BROTHERSON 2-25B4	25	+		4301332791			OW	Р	
CABINLAND 2-16B3	16			4301332914			OW	Р	
KATHERINE 3-29B4	29			4301332923	+		OW	P	
SHRINERS 2-10C5	10	030\$	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	Р	
MORTENSEN 4-32A2	32	0108	020W	4301333211	15720	FEE	OW	Р	
FERRARINI 3-27B4	27	0205	040W	4301333265	15883	FEE	OW	Р	
RHOADES 2-25B5	25	0208	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31			4301333548			OW	P	
ANDERSON-ROWLEY 2-24B3	24			4301333616			OW	Р	
SPROUSE BOWDEN 2-18B1	18			4301333808	+		OW	Р	
BROTHERSON 3-11B4	11			4301333904			OW	Р	
KOFFORD 2-36B5	36			4301333988			OW	P	
ALLEN 3-7B4	07			4301334027			OW	P	
BOURNAKIS 3-18B4	18	k		4301334091	+		ow	P	
MILES 3-12B5	12			4301334110			OW	P	
OWL and HAWK 2-31B5	31			4301334110	<u> </u>		ow	P	
OAAF GUR LIVAAK 5-9 100	J	0203	LOJUVV	700 1004 120	17.000	1	1 U V V	<u> </u>	

OWL and HAWK 4-17C5	17	0206	050\4/	4301334193	17207	CEC	OW	Р	
	17 32			4301334193	<u> </u>		OW	P	 -
DWR 3-32B5			L L					P	
LAKE FORK RANCH 3-22B4	22			4301334261	1		OW		
HANSON 3-9B3	09			4301350065			OW	P	
DYE 2-28A1	28			4301350066			OW	Р	ļ. —— -
MEEKS 3-32A4	32			4301350069			OW	P	<u> </u>
HANSON 4-8B3	08			4301350088			OW	P	С
LAKE FORK RANCH 3-14B4	14			4301350097			OW	Р	
ALLEN 3-9B4	09			4301350123			OW	Р	<u> </u>
HORROCKS 4-20A1	20	0108	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	0108	010W	4301350166	17573	FEE	OW	Р	
HUTCHINS/CHIODO 3-20C5	20	0308	050W	4301350190	17541	FEE	OW	Р	
ALLEN 3-8B4	08	0208	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	0308	050W	4301350193	17532	FEE	OW	P	1
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	Р	
EL PASO 4-29B5	29			4301350208			ow	Р	C
DONIHUE 3-20C6	20			4301350270			OW	Р	1=
HANSON 3-5B3	05			4301350275			OW	Р	С
SPRATT 3-26B5	26			4301350302		L	OW	P	<u> </u>
REBEL 3-35B5	35			4301350388			ow	P	С
FREEMAN 4-16B4	16			4301350388			OW	P	C
							OW	P	C
WILSON 3-36B5	36			4301350439					
EL PASO 3-21B4	21			4301350474	1		OW	P	C
IORG 4-12B3	12			4301350487			OW	P	С
CONOVER 3-3B3	03			4301350526			OW	Р	С
ROWLEY 3-16B4	16			4301350569			OW	Р	С
POTTS 3-14B3	14			4301350570			OW	Р	С
POTTER 4-27B5	27			4301350571			OW	Р	С
EL PASO 4-21B4	21			4301350572			OW	Р	С
LAKE FORK RANCH 3-26B4	26	0208	040W	4301350707	18270	Fee	OW	Р	С
LAKE FORK RANCH 3-25B4	25	0208	040W	4301350711	18220	Fee	OW	Р	С
LAKE FORK RANCH 4-23B4	23	0208	040W	4301350713	18271	Fee	OW	P	С
LAKE FORK RANCH 4-15B4	15	0208	040W	4301350715	18314	Fee	OW	Р	С
LAKE FORK RANCH 3-24B4	24	0208	040W	4301350716	18269	Fee	OW	P	С
GOLINSKI 1-8C4	08	_1		4301350986			OW	P	С
J ROBERTSON 1-1B1	01			4304730174		FEE	OW	P	
TIMOTHY 1-8B1E	08			4304730215		FEE	OW	þ	1
MAGDALENE PAPADOPULOS 1-34A1E	34			4304730241		FEE	OW	P	-
NELSON 1-31A1E	31			4304730671		FEE	OW	P	+
ROSEMARY LLOYD 1-24A1E	24			4304730707		FEE	ow	P	+
H D LANDY 1-30A1E	30			4304730790		FEE	OW	P	
						FEE	OW	P	
WALKER 1-14A1E	14			4304730805					ļ
BOLTON 2-29A1E	29			4304731112		FEE	OW	Р	
PRESCOTT 1-35Z1	35			4304731173		FEE	OW	Р	
BISEL GURR 11-1	11			4304731213	1	FEE	OW	Р	
UTE TRIBAL 2-22A1E	22			4304731265		FEE	OW	Р	
L. BOLTON 1-12A1	12			4304731295		FEE	OW	Р	
FOWLES 1-26A1	26			4304731296		FEE	OW	Р	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	Р	
BASTIAN 1-2A1	02			4304731373		FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23			4304731479			OW	P	T
O MOON 2-26Z1	26			4304731480			OW	P	
LILA D 2-25A1	25			4304731797			OW	P	+
LANDY 2-30A1E	30			4304731895			OW	P	
WINN P2-3B1E	03			4304732321			ow	P	+
BISEL-GURR 2-11A1	11			4304735410		The second secon	OW	P	+
		·						F	ļ
FLYING J FEE 2-12A1	12	10102	01000	4304739467	10000	ree .	OW) F	

HARVEST FELLOWSHIP CHURCH 2-14B1	14			4304739591			OW	Р
OBERHANSLY 3-11A1	11			4304739679			OW	Р
DUNCAN 2-34A1	34			4304739944			OW	Р
BISEL GURR 4-11A1	11			4304739961			OW	Р
KILLIAN 3-12A1	12			4304740226			OW	P
WAINOCO ST 1-14B1	14			4304730818		ML-24306-A	OW	Р
UTAH ST UTE 1-35A1	35			4304730182		ML-25432	OW	Р
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	Р
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	Р
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	Р
BLANCHARD 1-3A2	03	0108	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	0108	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13		+	4301330024		FEE	WD	PA
BASTIAN 1 (3-7D)	07			4301330026		FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08			4301330036		FEE	OW	PA
BLEAZARD 1-18B4	18			4301330059			OW	PA
OLSEN 1-27A4	27			4301330064		FEE	OW	PA
EVANS 1-31A4	31	1		4301330067		FEE	OW	PA
HAMBLIN 1-26A2	26		1	4301330083	L	FEE	OW	PA
HARTMAN 1-31A3	31			4301330093			OW	PA
FARNSWORTH 1-7B4	07			4301330097		FEE	ow	PA
POWELL 1-33A3	33			4301330105		FEE	ow	PA
LOTRIDGE GATES 1-3B3	03			4301330103		FEE	OW	PA
REMINGTON 1-34A3	34		L	4301330117	L	FEE	OW	PA
						FEE	OW	PA
ANDERSON 1-28A2	28			4301330150				PA
RHOADES MOON 1-35B5	35			4301330155		FEE	OW	
JOHN 1-3B2	03			4301330160		FEE	OW	PA
SMITH 1-6C5	06			4301330163		FEE	OW	PA
HORROCKS FEE 1-3A1	03			4301330171		FEE	OW	PA
WARREN 1-32A4	32			4301330174		FEE	OW	PA
JENSEN FENZEL 1-20C5	20			4301330177		FEE	OW	PA
MYRIN RANCH 1-13B4	13			4301330180		FEE	OW	PA
BROTHERSON 1-27B4	27			4301330185		FEE	OW	PA
JENSEN 1-31A5	31			4301330186		FEE	OW	PA
ROBERTSON 1-29A2	29			4301330189		FEE	OW	PA
WINKLER 1-28A3	28			4301330191		FEE	OW	PA
CHENEY 1-33A2	33			4301330202		FEE	OW	PA
J LAMICQ STATE 1-6B1	06			4301330210		FEE	OW	PA
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA
ROBERTSON UTE 1-2B2	02	0208	020W	4301330225	1710	FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	0208	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	0108	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	0108	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08			4301330235			OW	PA
BUZZI 1-11B2	11			4301330248			OW	PA
SHISLER 1-3B1	03			4301330249			OW	PA
TEW 1-1B5	01	+		4301330264			OW	PA
EVANS UTE 1-19B3	19			4301330265			OW	PA
SHELL 2-27A4	27		+	4301330266			WD	PA
DYE 1-29A1	29			4301330271			OW	PA
VODA UTE 1-4C5	04			4301330271			OW	PA
BROTHERSON 1-28A4	28			4301330263		The same of the sa	OW	PA
				4301330292			OW	PA
MEAGHER 1-4B2	04					FEE	OW	PA
NORLING 1-9B1	09		·	4301330315		FEE		
S. BROADHEAD 1-9C5	09	0305	VVUCU	4301330316	2940	FEE	OW	PA

THAT IN A COAC	00	0400	000141	100100001	40000		10141	
TIMOTHY 1-09A3	09			4301330321			OW	PA
BARRETT 1-34A5	34			4301330323		FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09			4301330325		FEE	OW	PA
PHILLIPS UTE 1-3C5	03			4301330333		FEE	OW	PA
ELLSWORTH 1-20B4	20			4301330351		FEE	OW	PA
LAWSON 1-28A1	28			4301330358		FEE	ow	PA
AMES 1-23A4	23			4301330375		FEE	OW	PA
HORROCKS 1-6A1	06			4301330390		FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10			4301330393		FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13			4301330478		FEE	WD	PA
BODRERO 1-15B3	15	0208	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	0308	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	0108	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	0108	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24			4301330760		FEE	OW	PA
CARL SMITH 2-25A4	25			4301330776		FEE	OW	PA
ANDERSON 1-A30B1	30			4301330783		FEE	OW	PA
CADILLAC 3-6A1	06			4301330834		FEE	ow	PA
MCELPRANG 2-31A1	31			4301330836		FEE	OW	PA
REESE ESTATE 2-10B2	10			4301330837		FEE	OW	PA
CLARK 2-9A3	09			4301330876		FEE	OW	PA
JENKINS 3-16A3	16			4301330877		FEE	OW	PA
CHRISTENSEN 2-26A5	1			4301330905			OW	PA
FORD 2-36A5	36			4301330903		FEE	OW	PA
MORTENSEN 2-32A2	32			4301330929		FEE	ow	PA
WILKERSON 1-20Z1	20			4301330929		FEE	OW	PA
UTE TRIBAL 2-4A3 S	04			4301330942			OW	PA
OBERHANSLY 2-31Z1	31			4301330930		FEE	OW	PA
	+					FEE	OW	PA
MORRIS 2-7A3	07			4301330977				
POWELL 2-08A3	08			4301330979	1		OW	PA
FISHER 2-6A3	06			4301330984			OW	PA
JACOBSEN 2-12A4	12			4301330985			OW	PA
CHENEY 2-33A2	33			4301331042	1		OW	PA
HANSON TRUST 2-29A3	29			4301331043		FEE	OW	PA
BURTON 2-15B5				4301331044			OW	PA
EVANS-UTE 2-17B3	17			4301331056			OW	PA
ELLSWORTH 2-20B4				4301331090		FEE	OW	PA
REMINGTON 2-34A3	34			4301331091			OW	PA
WINKLER 2-28A3				4301331109			OW	PA
TEW 2-10B5	10			4301331125			OW	PA
LINDSAY 2-33A4				4301331141			OW	PA
FIELDSTED 2-28A4				4301331293			OW	PA
POWELL 4-13A2				4301331336			GW	PA
DUMP 2-20A3				4301331505			OW	PA
SMITH 2X-23C7	23	0308	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32			4301331872			OW	PA
TODD USA ST 1-2B1	02			4304730167			OW	PA
STATE 1-7B1E	07			4304730180		FEE	OW	PA
BACON 1-10B1E	10			4304730881		FEE	OW	PA
PARIETTE DRAW 28-44				4304731408		FEE	OW	PA
REYNOLDS 2-7B1E				4304731840		FEE	OW	PA
STATE 2-35A2	35			4301330156	<u> </u>	ML-22874	ow	PA
UTAH STATE L B 1-11B1	11			4304730171		ML-23655	ow	PA
STATE 1-8A3	08			4301330286		ML-24316	ow	PA
UTAH FEDERAL 1-24B1	24			4304730220		ML-26079	OW	PA
CEDAR RIM 15	34			4304730220		14-20-462-1329		S
CLUAN NIW 13	U-4	0303	OOOVV	700100000	0353	17-20-402-1328	344	

LUTE TOIDAL O 0407	0.4	0000	070144	4004004000	40040	44.00.1100.4405	014/		
UTE TRIBAL 2-24C7	24					14-20-H62-1135		S S	
CEDAR RIM 12	28		1		1	14-20-H62-1323			
CEDAR RIM 16	33			L		14-20-H62-1328		S	
SPRING HOLLOW 2-34Z3	34	l		4301330234		14-20-H62-1480		S	
EVANS UTE 1-17B3	17			4301330274		14-20-H62-1733		S	
UTE JENKS 2-1-B4 G	01	·		i	·	14-20-H62-1782		S	
UTE 3-12B3	12					14-20-H62-1810		S	
UTE TRIBAL 9-4B1	04			4301330194		14-20-H62-1969		S	
UTE TRIBAL 2-21B6	21	J				14-20-H62-2489		S	
UTE 1-33B6	33			4301330441				S	
UTE 2-22B5	22	1				14-20-H62-2509		S	
UTE 1-18B1E	18			4304730969			OW	S	
LAUREN UTE 1-23A3	23	0108	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	0208	060W	4301331434	11624	14-20-H62-4622		S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631		S	
CEDAR RIM 10-15C6	15	0308	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24		1	4301330298		14-20-H62-4866		S	
UTE TRIBAL FEDERAL 1-30C5	30		1	4301330475		14-20-H62-4876		S	
SMB 1-10A2	10			4301330012		FEE	OW	S	
KENDALL 1-12A2	12			4301330013		FEE	OW	S	
CEDAR RIM 2	20			4301330019		FEE	ow	S	
URRUTY 2-9A2	09			4301330046	1	FEE	OW	S	
BROTHERSON 1-14B4	14			4301330051		FEE	ow	S	
RUST 1-4B3	04			4301330063		FEE	ow	S	
MONSEN 1-21A3	21	1		4301330082		FEE	ow	S	
	10			4301330062		FEE	OW	S	
BROTHERSON 1-10B4	+			4301330110		FEE	OW	S	
FARNSWORTH 1-12B5	12						OW	S	
ELLSWORTH 1-16B4	16		I	4301330192		FEE		S	
MARSHALL 1-20A3	20			4301330193		FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31			4301330198		FEE	OW		
ROPER 1-14B3	14			4301330217		FEE	OW	S	
BROTHERSON 1-24B4	24			4301330229		FEE	OW	S	
BROTHERSON 1-33A4	33			4301330272		FEE	OW	S	
BROTHERSON 1-23B4	23			4301330483		FEE	OW	S	
SMITH ALBERT 2-8C5	80			4301330543			OW	S	
VODA JOSEPHINE 2-19C5	19			4301330553			OW	S	
HANSEN 1-16B3	16		·	4301330617	·		OW	S	
BROTHERSON 1-25B4	25			4301330668		FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	0208	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	0108	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15			4301330817		FEE	OW	S	
R HOUSTON 1-22Z1	22			4301330884		FEE	OW	S	
FIELDSTED 2-27A4	27			4301330915		FEE	OW	S	
HANSKUTT 2-23B5	23			4301330917			OW	S	
TIMOTHY 3-18A3	18			4301330940		FEE	OW	S	
BROTHERSON 2-3B4	03			4301331008			OW	S	
BROTHERSON 2-22B4	22			4301331086		FEE	OW	S	
MILES 2-35A4	35			4301331087			OW	S	
ELLSWORTH 2-17B4	17	+		4301331089		FEE	OW	S	
RUST 2-36A4	36			4301331009		FEE	OW	S	
				4301331092		FEE	OW	S	
EVANS 2-19B3	19						OW	S	
FARNSWORTH 2-12B5	12			4301331115		FEE		+	
CHRISTENSEN 3-4B4	04	+		4301331142	+		OW	S	
ROBERTSON 2-29A2	29		<u> </u>	4301331150	 		OW	S	
CEDAR RIM 2A	20	0308	OROM	4301331172	106/1	rtt	OW	S	-

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	0108	030W	4301331243	11026	FEE	OW	S
GOODRICH 2-2B3	02	020\$	030W	4301331246	11037	FEE	OW	S
JESSEN 2-21A4	21	0108	040W	4301331256	11061	FEE	OW	S
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S
MYRIN RANCH 2-18B3	18	020\$	030W	4301331297	11475	FEE	OW	S
BROTHERSON 2-2B5	02	020\$	050W	4301331302	11342	FEE	OW	S
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S
IORG 2-10B3	10	0208	030W	4301331388	11482	FEE	OW	S
MONSEN 3-27A3	27	0108	030W	4301331401	11686	FEE	OW	S
HORROCKS 2-5B1E	05	0208	010E	4304732409	11481	FEE	OW	S
LARSEN 1-25A1	25	0108	010W	4304730552	815	FEE	OW	TA
DRY GULCH 1-36A1	36	0108	010W	4304730569	820	FEE	OW	TA

Sundry Number: 30969 API Well Number: 43013313570000

	FORM 9					
	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M			5.LEASE DESIGNATION AND SERIAL NUMBER: FEE		
SUNDR	RY NOTICES AND REPORTS	ON '	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MATTHEWS 2-13B2					
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	9. API NUMBER: 43013313570000					
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston,	TX, 77002 713 997-		NE NUMBER: Ext	9. FIELD and POOL or WILDCAT: BLUEBELL		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL				COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 13 Township: 02.0S Range: 02.0W M	1 eridian	ı: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION			
EP plans to set CIE	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show 3P @ ~8500' with 10' of centain action attached procedure for definition attached procedure for definition attached procedure for definitions.	☐ c ☐ c ☐ F ☐ P ☐ R ☐ s ☐ v ☐ s ✓ o wall per nent (on top, perforate @ HCL. Please see	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK ✓ RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Add Plug depths, volumes, etc. Approved by the Utah Division of Oil, Gas and Mining Date: November 01, 2012 By:		
NAME (PLEASE PRINT)	PHONE NUM	IBER	TITLE			
Maria S. Gomez	713 997-5038	.5.1	Principal Regulatory Analys	st		
SIGNATURE N/A			DATE 10/10/2012			

Sundry Number: 30969 API Well Number: 43013313570000



The Utah Division of Oil, Gas, and Mining

- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013313570000

Prior to permanent plugback of the LGR/WSTC zone a 100' cement plug will be required immediately above the LGR perfs.

RECEIVED: Nov. 01, 2012

Dustin Doucet - FW: UGR & MGR Recoms

From: "Gomez, Maria S" < Maria.Gomez@EPEnergy.com>

To: "dustindoucet@utah.gov" <dustindoucet@utah.gov>

Date: 10/30/2012 10:44 AM **Subject:** FW: UGR & MGR Recoms

Dustin:

As you can see below, it is not EP's intention to permanently abandon the UW or LGR. EP requests permission to set 10' of cement on top of the CIBP instead of the 100' required to permanently abandon the zone.

Thanks,

Maria S. Gomez

EP ENERGY*

Principal Regulatory Analyst maria.gomez@epenergy.com 713-997-5038 Office

713-445-8554 Fax 832-683-0361 Cell

From: Tisci, Sam A

Sent: Friday, October 26, 2012 12:58 PM

To: Gomez, Maria S

Cc: Mitchell, Orion L (Orion); Biancardi, Steven; LeFlore, Rachel K (Rachel)

Subject: UGR & MGR Recoms

Maria,

On the subject project scopes, it is our intention to NOT permanently abandon the LGR or UW in favor of the UGR/MGR zones. We will set plugs and when the UGR/MGR recoms deplete or prove uneconomic, we plan on squeezing off the zones and drilling out the plugs to recover the reserves left under said plugs. Therefore, we ask for permission to only leave 10' cement on our CIBP's on said subject recom projects.

EP ENERGY*

Sam A. Tisci

Sr. Staff Production Engineer Production Operations
1001 Louisiana Street
P.O. Box 4660
Houston, Tx. 77210-4660
(713) 997-4379 - Direct
(713) 828-9806 - Cell
sam.tisci@epenergy.com

**PLEASE note changes in EMAIL and OFFICE phone numbers.

Sundry Number: 30969 API Well Number: 43013313570000

Mathews 2-13B2 MGR Recom Summary Procedure

- POOH w/Rods & pump, Release anchor, POOH w/tubing string
- Circulate & Clean wellbore
- RIH with 7"CIBP, set plug at ~8,500', dump bail 10' cement on top
- Perforate new MGR interval from ~7,310′ 8,250′
- Acidize perforations with 45,000 gals of 15% HCL
- Leave CIBP @ ~8,500'
- RIH w/tubing, pump & rods
- Clean location and resume production



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

March 21, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5275 9918

43 013 31357 Matthews 2-13BZ 13 ZS ZW

Ms. Linda Renken **EP Energy** 1001 Louisiana Street, Suite 2628D Houston, TX 77002

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Renken:

As of January 2016, EP Energy has thirty-six (36) Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. The first eight wells listed on attachment A have been previously noticed and will most likely be addressed further in a later correspondence.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2 EP Energy March 21, 2016

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

All Submittals should be sent via ePermit

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

DKD/DD/js Enclosure

cc: Compliance File Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive			
1	Farnsworth 2-12B5	43-013-31115	Fee	12 year(s) 4 month(s)			
2	Brotherson 1-10B4	43-013-30110	Fee	11 year(s) 10 month(s)			
3	Miles 2-35A4	43-013-31087	Fee	8 year(s) 10 month(s)			
4	Fly/Dia L Boren 1-14A2	43-013-30035	Fee	6 year(s) 11 month(s)			
5	Brotherson 2-3B4	43-013-31008	Fee	5 year(s) 5 month(s)			
6	R Houston 1-22Z1	43-013-30884	Fee	4 year(s) 2 month(s)			
7	Horrocks 5-20A1	43-013-34280	Fee	6 year(s) 6 month(s)			
8	Eula-Ute 1-16A1	43-013-30782	Fee	3 year(s) 10 month(s)			
9	ASAY E J 1-20A1	43-013-30102	Fee	2 year(s) 6 month(s)			
10	ELLSWORTH 1-17B4	43-013-30126	Fee	2 year(s) 5 month(s)			
11	ELLSWORTH 1-19B4	43-013-30183	Fee	2 year(s) 2 month(s)			
12	ELLSWORTH 2-8B4	43-013-30898	Fee	2 year(s) 2 month(s)			
13	BROADHEAD 2-32B5	43-013-31036	Fee	2 year(s) 4 month(s)			
14	ELLSWORTH 2-17B4	43-013-31089	Fee	2 year(s) 6 month(s)			
15	HUNT 2-21B4	43-013-31114	Fee	2 year(s) 2 month(s)			
16	CEDAR RIM 8-A	43-013-31171	Fee	2 year(s) 4 month(s)			
17	MILES 2-3B3	43-013-31261	Fee	2 year(s) 4 month(s)			
18	MATTHEWS 2-13B2	43-013-31357	Fee	12 year(s) 4 month(s)			
19	HORROCKS 2-5B1E	43-047-32409	Fee	2 year(s) 9 month(s)			
20	FARNSWORTH 1-12B5	43-013-30124	Fee	1 year(s) 11 month(s)			
21	ELDER 1-13B2	43-013-30366	Fee	1 year(s) 8 month(s)			
22	YOUNG 2-30B4	43-013-31366	Fee	1 year(s) 7 month(s)			
23	POTTER 1-24B5	43-013-30356	Fee	1 year(s) 5 month(s)			
24	PETERSON 4-22C6	43-013-51163	Fee	1 year(s) 5 month(s)			
	FARNSWORTH 1-13B5	43-013-30092	Fee	2 year(s) 0 month(s)			
26	BROTHERSON 2-35B5	43-013-30908	Fee	2 year(s) 0 month(s)			
27	WRIGHT 2-13B5	43-013-31267	Fee	2 year(s) 0 month(s)			
28	CHANDLER 1-5B4	43-013-30140	Fee	1 year(s) 3 month(s)			
29	ROBB 2-29B5	43-013-31130	Fee	1 year(s) 2 month(s)			
30	YOUNG 3-36A1	43-047-54734	Fee	1 year(s) 2 month(s)			
31	ERCANBRACK 3-14B1	43-047-54203	Fee	2 year(s) 2 month(s)			
32	OSTLER 7-20C4	43-013-53137	Fee	1 year(s) 2 month(s)			
33	MYRIN LIVESTOCK 3-20B3	43-013-53133	Fee	1 year(s) 3 month(s)			
34	HILL 4-28A1	43-013-53111	Fee	1 year(s) 2 month(s)			
35	BULLOCK 4-17C4	43-013-52900	Fee	1 year(s) 3 month(s)			
36	LINDSAY TRUST 4-18B4	43-013-52766	Fee	1 year(s) 5 month(s)			

 \rightarrow

	STATE OF UTAH		FORM 9			
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	G	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDF	RY NOTICES AND REPORTS ON	I WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MATTHEWS 2-13B2			
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	9. API NUMBER: 43013313570000					
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston,		IONE NUMBER: 3 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 13 Township: 02.0S Range: 02.0W Meridia	an: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPOF	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
10/6/2017	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:						
Jano Sr Spaan	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL ☐			
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was shut-in July of 2013 due to a suspected casing leak and low production. The production did not justify a repair due to poor economics. The plan for this well is to P&A by the end of 2017. By: REQUEST DENIED Utah Division of Oil, Gas and Mining October 25, 2016 By:						
Please Review Attached Conditions of Approval						
NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst				
SIGNATURE N/A		DATE 10/6/2016				



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013313570000

Information shows the well to have a lack of integrity. No justification provided as to why immediate action should not be taken and nothing justifying not P&A'ing until the end of next year.

RECEIVED: Oct. 25, 2016



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

43 013 31357 Watthews 2-13B2

NOTICE OF VIOLATION

3 2S 2W

OIL AND GAS CONSERVATION ACT

TO THE FOLLOWING OPERATOR:

EP Energy Linda Renken 1001 Louisiana Street, Suite 2628D Houston, TX 77002 Date of Mailing: 10/31/2016

Certified Mail No.: 7015 0640 0003 5276 0396

Compliance Deadline: 12/1/2016

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the described site and/or records on the date listed below and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

On March 21, 2016, the Division sent a letter to EP Energy outlining that 36 wells were in non-compliance with the requirements for extended shut-in or temporarily abandoned status and what actions were required for these wells. EP Energy was given 30 days to supply the requested information. In an email correspondence with the Division, EP Energy requested and was granted a two month extension to have this information submitted. It is well past the June 21, 2016 extended deadline and the majority of the wells listed on the following page have not had sundries filed with the required information. Seven of the wells on the list have had a sundry submitted that was denied because of a lack of information showing wellbore integrity and sufficient justification for continued shut-in status. Four of the wells from the original list included with the March 21, 2016 letter have approved plugging plans but have not yet been plugged and abandoned.

See list of wells / sites on next page

Rule Reference(s):

Rule R649-3-36. Shut-in and Temporarily Abandoned Wells

Rule R649-3-4.3. Bonding

Rule R649-3-4.41. Bonding



Required Actions:

ı	For the well(s) subject to this notice, you shall fulfill full cost bonding requirements for each well. You shall also so	ubmit all
	information as required by R649-3-36, plug and abandon the well(s), or place the well(s) on production.	

* Fines may be levied up to \$10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: 12/1/2016

Digitally signed by Dayne K Doucet Dayne K Doucet DN: cn=Dayne K Doucet, o, ou, email=daynedoucet@utah.gov, c=US Date: 2016.10.28 14:32:44 -06'00'

Petroleum Engineer

(801) 538-5303

cc: Compliance File Well File Dustin Doucet, Petroleum Engineer Josh Payne, Compliance Manager

List of Wells or Sites:

Well or Site	API#	Date of Inspection/Violation
MILES 2-35A4	43-013-31087	10/28/2016
FLY/DIA L BOREN 1-14A2	43-013-30035	10/28/2016
R HOUSTON 1-22Z1	43-013-30884	10/28/2016
HORROCKS 5-20A1	43-013-34280	10/28/2016
ASAY E J 1-20A1	43-013-30102	10/28/2016
ELLSWORTH 1-17B4	43-013-30126	10/28/2016
ELLSWORTH 1-19B4	43-013-30183	10/28/2016
ELLSWORTH 2-8B4	43-013-30898	10/28/2016
BROADHEAD 2-32B5	43-013-31036	10/28/2016
ELLSWORTH 2-17B4	43-013-31089	10/28/2016
HUNT 2-21B4	43-013-31114	10/28/2016
CEDAR RIM 8-A	43-013-31171	10/28/2016
MILES 2-3B3	43-013-31261	10/28/2016
MATTHEWS 2-13B2	43-013-31357	10/28/2016
HORROCKS 2-5B1E	43-047-32409	10/28/2016
FARNSWORTH 1-12B5	43-013-30124	10/28/2016
ELDER 1-13B2	43-013-30366	10/28/2016

List of Wells or Sites (cont.):

Well or Site	API#	Date of Inspection/Violation
POTTER 1-24B5	43-013-30356	10/28/2016
PETERSON 4-22C6	43-013-51163	10/28/2016
FARNSWORTH 1-13B5	43-013-30092	10/28/2016
BROTHERSON 2-35B5	43-013-30908	10/28/2016
WRIGHT 2-13B5	43-013-31267	10/28/2016
CHANDLER 1-5B4	43-013-30140	10/28/2016
ROBB 2-29B5	43-013-31130	10/28/2016
ERCANBRACK 3-14B1	43-047-54203	10/28/2016
OSTLER 7-20C4	43-013-53137	10/28/2016
HILL 4-28A1	43-013-53111	10/28/2016
BULLOCK 4-17C4	43-013-52900	10/28/2016
LINDSAY TRUST 4-18B4	43-013-52766	10/28/2016

			FORM 9			
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	CES				
	DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MATTHEWS 2-13B2			
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	9. API NUMBER: 43013313570000					
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston,	TX, 77002 713 997-5	PHONE NUMBER: 138 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 13 Township: 02.0S Range: 02.0W Me	ridian: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
11/23/2016	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
	L TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Work Cancel Sundry			
NAME (PLEASE PRINT) Erik Hauser	PHONE NUME 713-997-6717	SER TITLE Sr EHS Specialist				
SIGNATURE N/A	5 55. 5.11	DATE 11/23/2016				

EPENERG

November 17, 2016

RECEIVED DIV. OF OIL, GAS & MINING

Mr. Dayne K. Doucet, Petroleum Engineer Division of Oil, Gas and Mining Department of Natural Resources State of Utah 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84116

Dear Mr. Doucet:

EP Energy E&P Company, L.P. ("EP Energy" or the "Company") respectfully requests approval of the following proposal, hereafter the "Plan", to resolve compliance issues identified in the enclosed Notice of Violation mailed October 31, 2016 regarding compliance with Rules R649-3-36 - Shut-in and Temporarily Abandoned Wells and R649-3-4.3/R649-3-4.41 - Bonding ("NOV").

EP Energy will make every reasonable attempt to:

1. Plug and Abandon ("P&A") fourteen (14) wells in accordance with R649-3-24 - Plugging and Abandonment of Wells by the following dates:

Well Name	P&A Completion Date
R Houston 1-22Z1	12/01/2016 - 43 013 30 884
Miles 2-35A4	12/16/2016 - 73 013 31087
Hunt 2-21B4	01/02/2017 - 43 013 31114
Matthews 2-13B2	01/17/2017 - 43 013 31357
Cedar Rim 8-A	02/02/2017 - 43 013 31171
Miles 2-3B3	02/16/2017 ~43 013 31261
Farnsworth 1-13B5	03/02/2017 -43 013 30092
Brotherson 2-35B5	03/16/2017 - 43 013 30908
Wright 2-13B5	03/30/2017 - 43 013 31267
Broadhead 2-32B5	04/13/2017 -43 013 31036
Robb 2-29B5	04/27/2017 - 43013 31130
Ellsworth 2-8B4	05/11/2017 - 43 013 30898
Peterson 4-22C6	05/25/2017 -43 013 51163
Potter 1-24B5	06/08/2017 - 43 - 013 30356

Accepted by the Utah Division of Oil, Gas and Mining

2. Perform Mechanical Integrity Tests ("MIT") for twelve (12) wells by the following dates:

Well Name **MIT Completion Date** Elder 1-13B2 11/25/2016 - 43 013 11/25/2016 - 43 013 30102 Asay E J 1-20A1 Ellsworth 1-17B4 11/25/2016 - 43 013 30126

EP Energy

1001 Louisiana Street Houston, Texas 77002 PO Box 4660 Houston, Texas 77210-4660 tel 713.997.1000

```
11/25/2016 - 43 013 32409
Horrocks 2-5B1E
                        11/25/2016 - 43 013 53137
Ostler 7-20C4
                        11/25/2016 - 43 013 52766
Lindsey Trust 4-18B4
                        11/25/2016 -43 013 53111
Hill 4-28A1
Bullock 4-17C4
                        11/25/2016 - 43 013 52900
                        11/28/2016 -43 013 30124 43-047-54203
Ercanbrack 3-14B1
                        11/30/2016 - 43 013 30124
Farnsworth 1-12B5
                        12/07/2016 - 43 013 30183
Ellsworth 1-19B4
                        12/07/2016 - 43 013 31089
Ellsworth 2-17B4
```

- 3. Notify Mr. Dennis Ingram, DOGM Operations Senior Petroleum Specialist, at least twenty-four (24) hours prior to performing a MIT.
- 4. Submit Sundry Notice(s) and Report(s) on Wells (Form DOGM-9) ("Sundry Notice") as required by R649-3-36 Shut-in and Temporarily Abandoned Wells within two (2) weeks of activity completion.
- 5. Contact the Division of Oil, Gas and Mining should inclement weather or other unforeseeable delays significantly impact the above schedules.
- 6. Contact the Division of Oil, Gas and Mining should a well fail a MIT to discuss options.

EP Energy also respectfully requests that the full cost bonding requirements outlined in the NOV be waived on the condition that the Company adheres to the Plan.

Please note, the FLY/DIA L Boren 1-14A2 was plugged and abandoned November 15, 2016; the associated Sundry Notice will be submitted by November 30, 2016. Also the Chandler 1-5B4 and the Horrocks 5-20A1 passed MITs earlier this year; the associated Sundry Notices will be submitted by November 30, 2016. Additionally, by way of the above response, EP Energy does not intend to waive any of its rights, remedies, claims, or defenses with respect to this NOV.

Thank you again for agreeing to a teleconference meeting and answering our questions on Wednesday, November 16, 2016. Please contact Chelsea Cantrelle if you need additional information to approve these requests. You can contact her at: 713-997-6206 or chelsea.cantrelle@epenergy.com.

Thank you,

Mitchell D. Scarbrough Production Manager

m titul D Scan

Enclosure

Cc. Mr. Dustin Doucet, DOGM Petroleum Engineer

Mr. Dennis Ingram, DOGM Operations - Senior Petroleum Specialist

Mr. Josh Payne, DOGM Compliance Manager

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE				
SUNDF	RY NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	oposals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: MATTHEWS 2-13B2				
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY,	9. API NUMBER: 43013313570000						
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston,		ONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: BLUEBELL				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0858 FNL 1098 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 13 Township: 02.0S Range: 02.0W Meridia	ın: U	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
2/6/2017	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	☐ OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
Report Date:		OTHER	OTHER:				
40 DECODINE DRODOGED OD	WILDCAT WELL DETERMINATION	other	<u>'</u>				
l .	COMPLETED OPERATIONS. Clearly show all p ched procedure as well as curre	17 (1987)	proved by the				
i iodoo ooo atta	proposed WBD.	Uta	h Division of				
		Oil, C	Gas and Mining				
		Date: Ja	nuary 31, 2017				
		By:	lod & Quit				
		Please Rev	iew Attached Conditions of Approval				
	Trease Review Attached Conditions of Approval						
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE					
Erik Hauser	713 997-6717	Sr. HSER Specialist					
SIGNATURE N/A		DATE 1/18/2017					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013313570000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Add Plug #1A: A 250' plug (±30 sx) shall be balanced from ±9950' to 9700'. This will isolate the Wasatch formation and the liner top as required by rule R649-3-24-3.2.
- 3. Add Plug #2A: A 100' plug (±21 sx) shall be balanced from ±6200' to 6100'. This will isolate the Green River formation and the offset injection zone.
- 4. Note on proposed Plugs #2 through #4: Records indicate cement was circulated to surface when cementing the 7" casing in place. CBL indicates top of tail of cement around 6600'. This corresponds with calculations using a 10% washout (estimated top of tail to ±6250'). Lead cement calculates a significant quantity of cement back to surface corresponding with report.
 - 5. All balanced plugs shall be tagged to ensure that they are at the depth specified.
 - 6. All annuli shall be cemented from a minimum depth of 100' to the surface.
 - 7. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
 - 8. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 9. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
 - 10. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

RECEIVED: Jan. 31, 2017

1/31/2017 Wellbore Diagram r263 API Well No: 43-013-31357-00-00 Permit No: Well Name/No: MATTHEWS 2-13B2 Company Name: EP ENERGY E&P COMPANY, L.P. Location: Sec: 13 T: 2S R: 2W Spot: NWNW **String Information** Coordinates: X: 579590 Y: 4463038 **Bottom** Diameter Weight Length String (inches) (ft sub) (lb/ft) (ft) Field Name: BLUEBELL 195 18 HOL1 County Name: DUCHESNE COND 195 13.325 54 Cement from 195 ft. to surface 215x=100 1

Conductor: 13.325: 4000 12.25 HOL2 SURF 4000 9.625 40 (OSonductor: 13.325 in. @ 195 ft. out 10/1.05)(6:30) HOL3
Hole: 18 in 0 9950 8.75 4.655 7 9950 26 12400 6.25 10.028 Hole: 18 in. @ 195 ft. 12398 5 4-201 6.310 2850 29001 2150 BMS6W Cement Information Cement from 4000 ft. to surface BOC TOC String Class Sacks (ft sub) (ft sub) Surface: 9.625 in. @ 4000 ft. plug #3 * Note Trilling reports, indicate COND G 235 195 0 Hole: 12.25 in. @ 4000 ft. rutertou 0 HC 9950 1340 Placecion e 4050 W/1001 21 st= 1001 Toc@3950 M, curpe 4000' 9950 0 Η 835 12398 9745 PA 250 SURF 0 4000 HC 1360 SURF 4000 0 PA 510 6100 61251 **Perforation Information** GRAV **Bottom** Top 6200 Shts/Ft No Shts Dt Squeeze (ft sub) (ft sub) 10684 12326 8611 10648 CUBPERIOR 8595 8611 Liner from 12398 ft. to 9745 ft. LGVZ Cement from 9950 ft. to surface **Formation Information** Formation Depth Intermediate: 7 in. @ 9950 ft. 2900 **BMSW** Hole: 8.75 in. @ 9950 ft. **GRRV** 6125 10010 **GRRVL** 8595 WITC WSTC 10010 200/(1.05)(10-028) = 2054 50') (1.05) (4.655) = 105x Hole: 6.25 in. @ 12400 ft. 123261 TD: 12400 TVD: PBTD:



Plug & Abandon Matthews 2-13B2

API #: 43-013-31357 Sec. 13-T2S-R2W Altamont/Bluebell Field Duchesne County, Utah

Date: 1/11/17

Field Plug & Abandonment Procedure

AFE – Pending

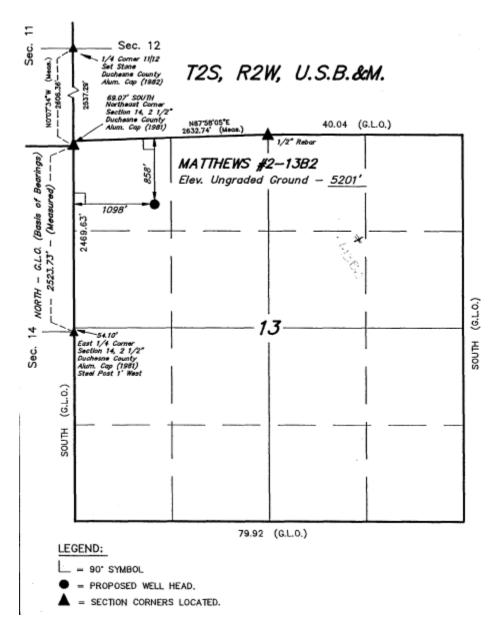
Prepared/Approved By:		
	Corey Jones – Prod. Operations Engineer	Date
Approved By:		
	Jeff Langlois- Sr. Staff Production Engineer	Date
Operations Supervisor:		
	Ron Theener – Operations Supervisor	Date
Engineering Manager:		
	Mitch Scarbrough –Production Manager	Date

Distribution (Approved copies):

Corey Jones
Jeff Langlois
Mitch Scarbrough
Ron Theener
Joe Sager
Troy Anderton
Well File (Central Records) / Altamont Office (Well Files)

1





CURRENT STATUS:

This well is currently shut in with tubing, rods, and pump in the hole.

Casing Fluid: Produced Fluid

TD: 12,398' **PBTD:** 12,252'



CURRENT SCHEMATIC:



Current Schematic

Company Name: EP Energy Last Updated: 1/11/2017 Well Name: Mathews 2-13B2 By: C Jones Duchesne, Field, County, State: Altamont - Bluebell, Utah TD: 12,398' BHL: Surface Location: Producing Zone(s): Wasatch & LGR Elevation: 298 jts 2-7/8" 6.5# N-80 8rd **ROD DETAIL** 1-1/2" x 36' Polished Rod 4', 2' - 1" Pony Rods 9-5/8" 40# CF-95 @ 4,000' Drift: 8.599" 105 (2,625') - 1" EL Rods 101 (2,525') - 7/8" EL Rods 150 (3,750') - 3/4" EL Rods 24 (600') - 1" EL Rods 2-1/2" x 1-1/2" x 34' RHBC Pump TAC @ 9,749' 7 jts 2-7/8" N-80 tbg Seating Nipple @ 9,610' 6' pup jt 2-7/8" N-80 tbg 4-1/2" PBGA j jts 2-7/8" N-80 tbg No-Go w/Solid Plug LGR Recom Perfs: 8,647 - 9,204' EOT @ 9,716' 9,242' - 9,799' (November 2008) TOL @ 9,745', 7" 26# CF-95/N-80 @ 9,950' Drift I.D. - 6.151" Wasatch Perfs: 9,823' 12,326' (951 holes) 10,684 - 10,728' squeezed w/ cement

5" 18# S-95 @ 12,398'

Drift ID 4.151"

PBTD: 12,252'

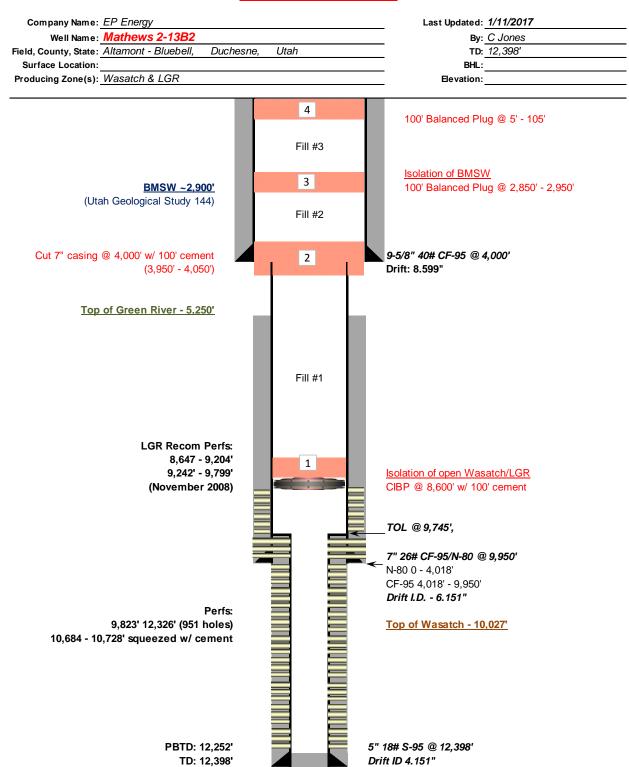
TD: 12,398'



PROPOSED ABANDONMENT SCHEMATIC:

EP ENERGY

Proposed P&A Schematic





Tubular Data

		Burst	Col	Body	Jt		Drift	
Material	Description	(100%)	(100%)	Yield	Yield	ID	ID	TOC
Surface	9 5/8" 40# CF-95 to	6820	3330	1088	1078	8.835	8.599	SURF
Casing	4,000'							
Intermediate	7" 26# CF-95/N-80 to	7240	5410	604	667	6.276	6.151	See WBD
Casing	9,950'							
Production	5" 18# S-95 @ 9,745-	11770	12030	501	532	4.276	4.151	See WBD
Liner	12,398'							
Production	2-7/8" 6.5# N-80 to 9,716'							
Tubing								

Plug & Abandonment Procedure

1. Notify:

- Notify the Fort Duchesne Office of the BIA, 435-722-4320, at least 48 hours prior to initiating the plugging procedure
- The Division at least 24 hours prior to plugging, Dan Jarvis at 801-538-5338.
- 2. MIRU workover rig.
- 3. Bleed off annulus. RU hot oiler unit (35' away from well head) and pump hot water (or 2% KCL) down backside to heat up tubing. POOH w/ rods and pump.
- 4. ND wellhead. NU BOP.
- 5. Test BOP to 5,000psi for at least 10 minutes. Record, date and sign test (wellsite supervisor). Record BOP serial number.
- 6. POOH with tubing and flush tubing w/hot 2% KCl, as needed. See WBD above for tubing detail.
 - i. Check for NORM.
 - ii. If no NORM is found, note it in the daily report.
 - iii. If NORM is found in the tubing; Follow EPE procedures and chain of custody paperwork for handling, wrapping and transporting NORM tubing to a proper cleaning or disposal site.
- 7. MIRU wireline. RIH w/ gauge ring for 7" OD 26# casing (Drift: 6.151") to 8,600'. POOH w/ GR.
 - a. If tag is higher than 8,600' continue with procedure, otherwise skip to step 10.
- 8. PU 6" rock bit, 7" 26# casing scraper and 2-7/8" tbg (or work-string). Work down to 8,600' and attempt to establish circ with FSW, circ until returns clean. POOH. If perforations take fluid on way in, mix a 10 bbl HEC pill and circulate around or spot as needed.
- 9. POOH standing back 8,600' 2-7/8" tbg (or workstring) and lay down rock bit and csg scraper.



Plug and Fill Summary								
Step	Bottom	Тор	Length	BBLs	SX	CuFt		
CMT Plug 4 (Surface)	105	5	100	7.58	40.55	42.58		
Fill 3	2850	105	2745	208.15		1168.75		
CMT Plug 3 (BMSW)	2950	2850	100	7.58	40.55	42.58		
Fill 2	3950	2950	1000	75.83		425.77		
CMT Plug 2 (Csg shoes)	4050	3950	100	5.70	30.51	32.03		
Fill 1	8500	4050	4450	165.19		927.53		
Cmt Plug 1 (Perfs/Wasatch/LGR)	8600	8500	100	3.83	20.46	21.48		
			Total:	473.86	132.07	2660.72		

Plug #1 (CIBP @ 8,600' w/ 100' CMT)

- 10. TIH w/ 2 7/8" tbg (or workstring) and CIBP to 8,600'. Set CIBP.
- 11. Establish circ. Mix 16.4 ppg 1.05 yield class G cement plug w/ 21 sx (100'). Pump 100' cement plug. Catch cement sample.
- 12.PU above cement and reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
- 13. TIH and tag TOC. If cement is @ 8,500' or higher continue on. Otherwise contact engineer.
- 14. Circulate in inhibited 2% KCl to 4,050' (166 bbls).
- 15. POOH laying down ~151 jts (4,550') 2 7/8" tbg, standing back 4,050' 2 7/8" tbg.

Plug #2 and Cut Casing (100' CMT)

Note: verify from Free Point that there is NO cement behind pipe from surface to 4,000'. If TOC is above 4,000', a CIBP will be placed @ 5,300' w/ 21 sx (100') on top. Contact Engineer for updated procedure.

- 16. Run Free Point to identify free casing length. Identify TOC or verify that no cement is behind pipe from 0-4,000' in order to cut casing. Send report to engineer.
- 17. MIRU wireline. PU and RIH w/ 7" 26# string shot csg collar splitting tool (or similar tool). Cut casing @ 4,000'.
- 18. POOH and RDMO w/ wireline.
- 19. RU 7" 26# csg handling equipment.
- 20. POOH laying down 7" 26# csg.
- 21.RIH w/ 2 7/8" tbg and establish circ. **Mix 16.4 ppg 1.05 yield class G cement plug w/ 31 sx (100').** Pump 100' cement plug. Catch cement sample.
- 22.PU above cement and reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
- 23. TIH and tag TOC. If cement is @ 3,950' or higher continue on. Otherwise contact engineer.
- 24. Circulate in inhibited 2% KCl to 2,950' (76 bbls).
- 25. POOH laying down ~36 its (1,100') tbg to 2,950'.

Plug #3 (100' balanced CMT plug)



- 26. W/ open ended tbg @ 2,950', establish circ. Mix 16.4 ppg 1.05 yield class G cement plug w/ 41 sx (100'). Pump 100' balanced plug.
- 27.PU above cement and reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
- 28. Tag TOC. If cement is @ 2,850' or higher continue on. Otherwise contact engineer.
- 29. Circulate in inhibited 2% KCl to 105' (209 bbls).
- 30. POOH laying down ~95 jts tbg (2,845') to 105'.

Plug #4 (100' balanced CMT plug)

- 31. W/ open ended 2 7/8" tbg @ 105' establish circ. Mix 16.4 ppg 1.05 yield class G cement plug w/ 41 sx (100'). Lay in 100' balanced cmt plug from 5' –105'.
- 32. Pump cement from surface until cement returns up the backside. POOH to 5' and displace cement w/ fresh water to surface. Monitor surface samples of cement to determine when the cement has set up. WOC. Tag TOC. If TOC is 5' or higher continue on, otherwise, contact engineer
- 33. RU casing cutting equipment; Cut the remaining casing at ≥ 3' below GL.
- 34. Weld and install 1/4" thick dry hole plate. Dry hole plate is to include the following:

1. Well Name: Matthews 2-13B3

2. Operator Name : <u>EP Energy</u>

3. API Number: <u>43-013-31357</u>

4. Location: NW ¼, NW ¼, Sec. 13 T2S-R2W U.S.M

35. RD&MO rig & clean up location

36. Restore location as directed